REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

SouthEastern Repeater Association
sera
MEMBER

FEBRUARY
1989
2^{50}

A Tall Tower Repeater For 220 In NC

Representing Coordination and VHF/UHF Interests Throughout North Carolina South Carolina, Virginia, Tennessee, West Virginia, East Kentucky and Georgia.

145.00 ME
VOL
SQL
F
M W
MHz
VFO/M
CH. SP
REV
LOCK
SHIFT
TONE
BEEP
PRI
SCAN
SKIP
CALL
CALL W
ALINCO

— — —   — •   •

— — —   • • — •   • —

— • —   • •   — •   — • •

ONE OF A KIND.

No other mobile two meter transceiver delivers like the DR-110T from Alinco.

Perhaps because it gives you a carload of features without putting a dent in your budget.

This little powerhouse has 45 watts. It also has 14 memories with standard encode/decode subaudible tones. The DR-110T is CAP and MARS modifiable* and comes with all the other features you'd expect to find on a complete mobile unit.

What's more, only Alinco offers a two year limited warranty.

So if you're looking for high performance in a mobile rig, turn into your nearest Alinco dealer.

And hit the road with the DR-110T. The most impressive two meter on four wheels.

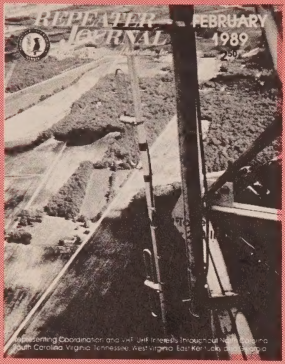
Call (213) 618-8616 for your nearest local dealer.

*Permit required

ALINCO

20705 South Western Ave., Ste. 104, Torrance, CA 90501

ON THE COVER


REPEATER JOURNAL
FEBRUARY 1989
2.50
Representing Coordination and VHF UHF Interests Throughout North Carolina South Carolina Virginia Tennessee West Virginia East Kentucky and Georgia

Looking down from over 1,600 feet kind of makes you dizzy. This is what it looked like for Murray Adams, WA4DAN and crew when they installed the repeater and antennas on the 2,000 foot tower at Grifton, N.C. The new machine 223.24-224.84 gives fantastic coverage in the Eastern part of the State. Color Slide Ctsy: Murray Adams, WA4DAN.

Journal Staff

EDITOR & PUBLISHER
Wayne C. Williams, K4MOB
600 Lakedale Road
Colfax, N.C. 27235
(919) 993-5881

CONTRIBUTING EDITORS
Mary Weddle, WC4T
Clyde Weddle, KF4WY
227 Bennett Lane
Charlotte, N.C. 28213
(704) 596-2168

TECHNICAL EDITOR
Herman Cone, WB4DBB
305 Foxwood Lane
Goode, Va. 24556
(703) 586-5643

ADVERTISING DIRECTOR
Sharon Ward
5573 Vienna-Dozier Rd.
Pfafftown, N.C. 27040
(919) 924-0520

JOURNAL PRODUCTION

Typesetting and
Printing by: Commercial
Printing, Kernersville, N.C.

Camera Graphics through:
Piedmont Pub. Co., W.S.

Layout Pasteup, Design
Wayne C. Williams, K4MOB

Computer Operation by:
David Ward, KA4LVO
Lindsay Cleveland, W4IZI

Other Journal Assistance:

Tom Gallagher, N4IOZ
David Ward, KA4LVO
Alton Ward, KB4EP

REPEATER JOURNAL

NATIONAL AWARD WINNER

· SouthEastern Repeater Association, Inc.

Editorial Comment

Feb., Mar., Apr. 1989
Volume 18, No. 1
ORGANIZED IN 1971
"In Our 18th Year"

SERA Sez NO to ARRL!

An eleventh hour appeal from Bart Jahnke, Repeater Directory Editor for ARRL, to the SERA Board of Directors was too late. The Board voted unamiously not to release their Repeater Database to the ARRL for the 1989 Repeater Directory. The poll was taken via telephone on the entire SERA Board on January 28th & 29th by Carter Cogle, K4ARO, SERA President. Jahnke was notified immediately by telephone, after the vote.

The decision by the Board was a result of the ongoing dispute SERA and some Frequency Coordinators have had with the League and its stubbornness and failure to consider recommendations concerning listings in the Repeater Directory, and recognition of Coordinators.

In January, before the SERA Board meeting, ARRL Directors Butler, (Southeastern Division), and Harrison, (Delta Division) asked what would be needed from the ARRL to solve the problem between SERA and ARRL, to take to their Board. On January 15th, two SERA board members consulted with Director John Kannode, Roanoke Division Director, who did not attend the meeting, and appealed for his assistance with Harrison and Butler in bringing the problem to the full ARRL Board meeting scheduled the following week. (SERA Territory includes portions of these three ARRL Divisions)

In a letter to SERA Treasurer Ray Adams, dated January 10th, two days after the SERA Board meeting, Director Harrison inferred that there was no problem existing concerning recognition and geographical areas, based on ARRL minute 61 of July, 1988, which he quoted:

"In those few geographical areas in which no clear determination of the desired repeater coordinator/spectrum manager exists or the existing coordination mechanism is in significant dispute, **based on a Commission determination,** then no coordinator is or shall be, listed in the ARRL Repeater Director, until, by a settlement of differences, within the area, the recognition of a single coordinator can be made by mediation, arbitration, or other means."

Director Harrison said, "Ray, I feel this adequately addresses SERAs concerns and outlines our actions in future disputes."

The SERA board was speechless. We thought we had explained it thoroughly and they understood -- apparently not.

Unfortunately, what the Minute 61 said in July, and what the League did with the MACC/MO-KAN situation in October are two different things, and this is where the basic problem lies.

The MACC/MO-KAN dispute only involved the Kansas City area, yet, until the situation was suddenly resolved (just as SERA released the text of an editorial on the subject last October), the ARRL was **not** recognizing MACC for the **entire** States of Kansas **and** Missouri. (October 1988 QST) because of a 50 mile radius dispute around Kansas City.

This is one of the points of contention with SERA. What if it happens in a small area, bordering 3 or 4 States, will ARRL refuse to recognize **any** of those 3 or 4 states or their coordinator, based on a dispute in a small portion.

The SERA Board says they will, because the League's history of the MACC/MO-KAN dispute proves it.

The SERA request to the Directors was simple:

(1) Consider not publishing **any** coordinator's name in the Repeater Directory.

(2) Clarify what the League's position is now. If a dispute occurs in a small geographical area, will only that area be affected, or will the entire State or surrounding territory be eliminated from recognition.

Our three Directors were to get this addressed at the ARRL January Board Meeting. Unbelievably, none of the three prevented an "agreement", apparently struck beforehand by members of the ARRL Board **not** to discuss coordination at the meeting, exactly opposite to what was

Continued on Page 19

REPEATER JOURNAL
Feb., Mar., Apr. 1989

In This Issue

SERA Sez No To The ARRL (An Editorial Comment) 1
SERA Board Meeting Highlights 3, 6, 7
The Ted McElroy World CW Record-Revisited 11
Wide Area 220 Machine (Cover Story) 13
VE Examination Schedule 16-17
BARC Awards First "Charles Litz" Mem. Scholarship 17
Full Membership Application 34
Full Membership - How Are We Doing? 35
Sometimes Being A Ham Isn't Fun (N.C. Tornados) 36
West Virginia News - by Ted Wolfe 46
Repeater Journal Advertising Rates 47
W1AW Needs Our Financial Help 51
Coming Events - The 1989 SERA Hamfest Calendar 55
Where To Buy Directory - Our Advertisers 56

Where To Find It Quick!

Repeater Journal Staff 1
Officers & Committees 2
State (District) Directors . . Bk. Cover
SERA 7 State Repeater Index . 23-34
Membership Applications 35 & 47
SERA Financial Report 48

About Associate Membership

Repeater users and Amateurs are invited to join SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication — Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. SERA does not issue receipts for Membership applications. Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 24292, Winston-Salem, N.C. 27114-4291. Associate Members may hold appointive positions within SERA.

About Full Repeater Membership. . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calendar year.

About the Repeater Journal. . .

The SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of Southeastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month. ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newsletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

Officers & Committee

PRESIDENT
A. Carter Cogle, K4ARO
1667 Varina Avenue
Petersburg, Va. 23805
(804) 733-8411

VICE-PRESIDENT
Nita Wofford, N4DON
2966 Cordell
Memphis, Tn. 38118
(901) 363-4971

TREASURER
Raymond K. Adams, N4BAQ
5833 Clinton Hwy., Suite 203
Knoxville, Tenn. 37912
(615) 687-5410 Home
(615) 688-7771 Office

SECRETARY
Barbarra Gregory, WA4RMC
8619 Smokerise Lane
Chattanooga, Tenn. 37421
(615) 892-8889

MEMBERSHIP CHAIRMAN
COMPUTER RECORDS MGR.
David Ward, KA4LVO
5573 Vienna-Dozier Rd.
Pfafftown, N.C. 27040
(919) 924-0520
(Leave Message on Recorder)

FULL & ASSOCIATE MEMBERSHIP
SERA Membership
P.O. Box 24292
Winston-Salem, N.C. 27114

ASSOC. MBR. ASSISTANT
Lindsay Cleveland, W4IZI
P.O. Box 1140
Duluth, Ga. 30136
(404) 623-0358 Home
(404) 497-1902 Office

TECHNICAL ADVISOR
Danny Hampton, K4ITL
P.O. Box 12734
Raleigh, N.C. 27605
(919) 832-8733

FCC LIASON CHAIRMAN
Rose Bond, FCC
1365 Peachtree St., NE, Rm. 404
Atlanta, Ga. 30309
(404) 881-2631

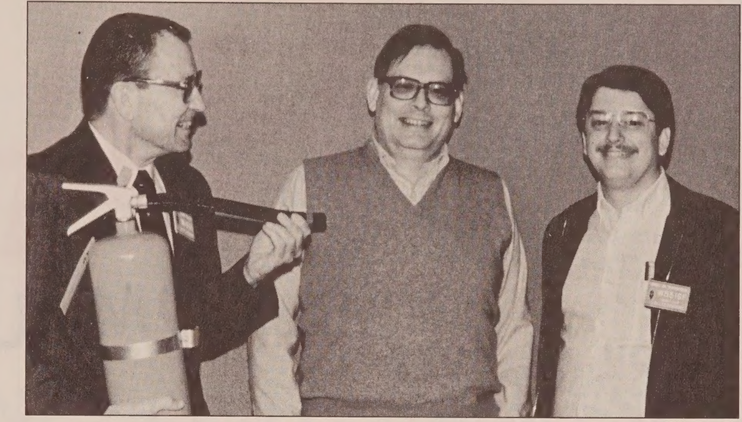
The SouthEastern Repeater Association, Inc. is one of the largest and most well respected Non-Profit repeater coordination councils in the United States. SERA territory covers over 1,300 repeaters in member states of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky and Georgia. In our 18th year, our goal is to continue to provide a pleasant operating condition in the VHF/UHF spectrum of Amateur Radio through Coordination and information.

SERA Board Meets In Knoxville

— by Wayne C. Williams, K4MOB

(See other related stories elsewhere in this issue concerning the Board meeting.)

The SERA Board of Directors returned to Knoxville, Tn. in January for their Annual Board meeting. The agenda included several important items.



SERA President, Carter Cogle, K4ARO is surrounded by ARRL Directors at the SERA Board meeting. Frank Butler, W4RF and Joel Harrison, WB5IGF, Directors of the Southeastern and Delta Division pose during a break in the meeting. No one ever found out why Frank carried around the fire extinguisher. - photo by Johnny Wofford, WA4ETE.

Early meetings Saturday evening cleared some of the agenda. Computer demonstrations of a standard program for Directors to use with their database was shown. The group had dinner together in the early evening, and as others arrived, they settled in two locations to discuss items and generally compare notes.

On Sunday, after breakfast the meeting was called to order by President Carter Cogle, K4ARO. All officers, and 6 of the 7 States were represented by either a Director or Vice-Director or both. All committee chairmen were also present.

Special guests included two Division Directors from ARRL and representatives from the Mid-America Coordination Council, (MACC) and the coordinator from Mississippi. (see related story)

HOWARD JOHNSON
Motor Lodge
LOUNGE
SERA
WELCOMES
MACC
ENCLOSED SWIMMING POOL

The Hotel Marque says it all — "SERA Welcomes MACC" to the annual Board meeting. The Howard Johnson Motor Lodge of Knoxville was meeting place.

Ray Adams, N4BAQ, treasurer, presented a reading of the new By-Laws re-write which he had coordinated over the past 3 months, and mailed copies to each voting member in late November. The new re-write passed.

Wayne Williams, K4MOB then presented a reading of a re-write of the SERA Coordination policy, which after discussion was passed. (See related story)

David Ward, KA4LVO, Membership Chairman, told the group that repeater datasheets had been mailed to **every** known repeater in SERA territory in late November. He also reported on the "Tennessee Special Edition" of the Journal which was mailed to all hams in Tennessee in late December.

All present were given handouts, and charts showing membership, repeater numbers, new repeater datasheets, and repeater printouts.

Terry Estes, WB4ASZ, East Kentucky Director said he had been working with Larry Malone in Western Kentucky, polling the States repeater owners for a favorable vote to merge the entire State into a new Kentucky District of SERA. Although enough memberships were in, the board felt that waiting for the results of the Statewide poll would be in the best interest before making a vote to accept the remaining part of the State as a District. Due to other pressing business, Malone was unable to attend the meeting.

Steve Grantham, N5DWU, coordinator for the State of Mississippi told the group he was very impressed with SERA, and after receiving some favorable responses from several areas of his state he was presently polling his entire state's repeater owners for possible membership in SERA. The board offered him any assistance he might need in fulfilling this task.

Delta, and Southeastern ARRL Division Directors Harrison and Butler spoke briefly to the group.

MACC Vice-President Ken Enerback, KC0WX told the SERA Board of his appreciation and respect for SERA and their cooperation and support in the problems which had incurred in the past. He said both organizations were very similar in nature, and had the same goals, "for the betterment of Amateur Radio" through coordination. He said MACC with their 10 States, and SERA with its 7 States should be leaders in the Nation to achieve that goal. A Memorandum of Mutual Cooperation between SERA and MACC was signed. (See related story).

Johnny Wofford, WA4ETE of Memphis held a photo session to get pictures of the Officers and Directors.

The meeting ended shortly after 3 p.m.

Continued on Page 6

RALEIGH AMATEUR

17th Annual

HAMF

& COMPUTERFAIR

Hours: 8 AM-4 PM
Main Drawing: 3 PM

APRIL 16, 1989

N.C. STATE FAIRGROUND

JIM GRAHAM BUILDING - RALEIGH, N.C.

★ HAMFEST SOCIAL SATURDAY NIGHT

A welcoming party will be held from 7-10 PM for all in the large meeting room inside the Hamfest building. Food, drinks, prizes for those present.

★ AMATEUR RADIO EXAMS

By Pre-registration until April 10. Send completed FORM 610, photocopy of your current license, code/theory Certificates (if applicable), indicate the highest class of license you desire to be tested for, and a check or money order for $4.75 Payable to R.A.R.S. to:

Vince Yakamavich, AA4MY
220 Carriage Trail
Raleigh, NC 27614

Tel. (919) 847-8512

The exams will be held in the HAMFEST BUILDING, First Floor Meeting Room No. 2, starting PROMPTILY at 7:30 am. Please bring your Original Current License and a second form of identification such as a Driver's License.

★ SPECIAL INTEREST MEETINGS

ARRL FORUM, narrated by John Kanode, N4MM, Director, ARRL Roanoke Division

Q.C.W.A., NAVMARS, NTS, ARES, other meetings Times will be announced at the Hamfest.

PRIZES

1st - Choice: ICOM IC 735 HF Transceiver with matching power supply.
OR
ICOM IC 275A VHF Multi - Mode 2M 25 Wt. Transceiver.

2nd - ICOM 3210A 144/440 Mhz 25 watt FM Transceiver

3rd - ICOM 228H 45 Watt 2 Meter Transceiver

PRE-REGISTRATION PRIZE:
AEA PK 232 Multi- Mode Controller

★ FOR THE LADIES
Special program and on-going fairground activities will be of interest to the XYL.

CW CONTEST
With Prizes

HOMEBREW CONTEST
With Prizes

---

1 Fleamarket space: (1 8-ft. Table, 2 Chairs......$7.00. 5 or more tables.......$5.00 each. NO outside facilities available. 24-Hour security. Vender set-up Saturday, 4-10 p.m., Sunday 6-8 a.m. ALL vehicles must vacate the building by 8:00 a.m.. Please bring your own handcart.

RADIO SOCIETY'S

VENDOR INFO: Rollin Ransom, NF4P
(919) 269-4406

GENERAL INFO: RARS Hamfest
P.O. Box 17124
Raleigh, N.C. 27619

EST

RARS members will monitor 146.04/64 and 146.28/88 to assist you in finding location

ARRL SANCTIONED HAMFEST

The Raleigh Amateur Radio Society welcomes you to it's Seventeenth Annual Hamfest. All of the Hamfest Activities will be in the Jim Graham Building. There will be no outside activities connected with the hamfest. We will be sharing the NCS Fairgrounds with other events that will be going on at the same time so please follow the traffic and parking instructions on the grounds. If you desire full hookup overnight camper/RV parking, please check the box on the Registration Form. A $10.00 per night fee will be collected on site by the Fairgrounds Authorities.

Pre-registration by April 8, 1989 is most desirable as indicated on the registration form. AC power can be available. Request Vendor information. There is a full service food concession in the hamfest building. Several motels and resturants are located on Route 70W West of the Raleigh Beltline.

Don't forget to stop at the ARRL, AMSAT and RARS Booths for an eyeball QSO with your ARRL Section Officials and pick up some of the latest publications and membership applications.

All attendees over the age of 12 must pay the registration fee.

The RARS Hamfest Committee will do their best to see that you have a good time. If you have any comments or suggestions please let us know. RARS club members will be wearing yellow and blue armbands.

PRE-REGISTRATION PRIZE

AEA PK 232 Multi-Mode Controller Pre-registration Drawing at 10 am, Sun. Apr 16. You DO NOT need to be present to win !

PRE-REGISTRATION FORM

TO: Rollin Ransom, NF4P
Rt. 5, Box 267
Zebulon, N.C. 27597

Please Print Clearly, Include SASE, Checks Payable to R.A.R.S

Name ____________________ Call ________

Address ______________________________

City ______________ State ______ Zip ______

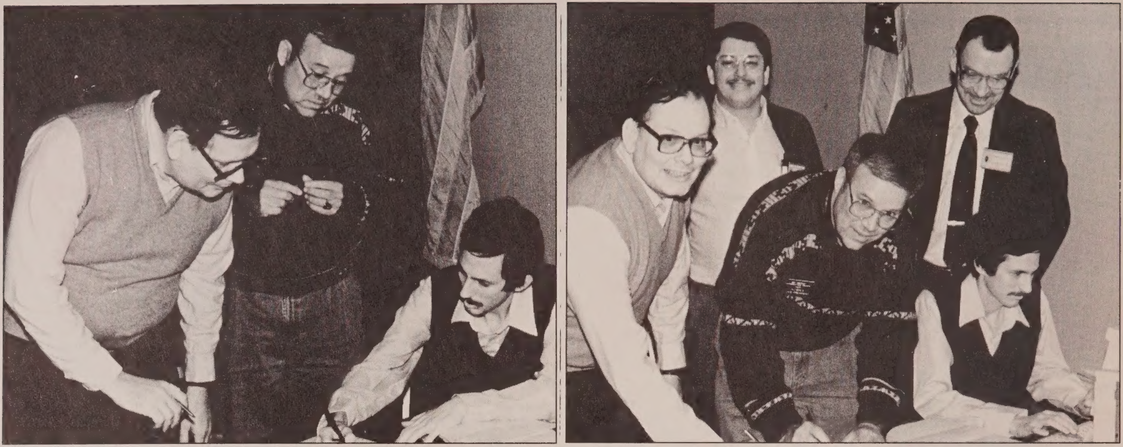
PRE-REGISTRATION CUTOFF DATE:
April 8, 1989.

___Reg.Tickets @ $4.00 $______

___Tables @ $7.00 $______

Total Enclosed: $______

Space for Camper/RV ( )



A Memorandum of Mutual Cooperation was drafted at the SERA Board meeting between SERA and MACC. Upper left, David Ward, KA4LVO works out the finer points of the draft text, with Carter Cogle, K4ARO, SERA President, and Ken Enenbach, KC0WX, Vice-President of MACC. Then, ARRL Delta Division Director Joel Harrison, WB5IGF and Southeastern Division Director, Frank Butler, W4RH join the group for the formal signing, upper right. (Photo by: Johnny Wofford, WA4ETE)

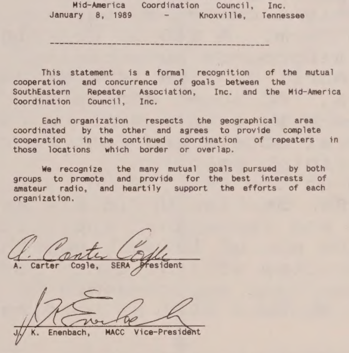
MACC, SERA Sign Memorandum Of Mutual Cooperation

A delegation of the Mid-America Coordination Council (MACC) and the Board of SERA discussed mutual ideas that both organizations had and the parallel both organizations seemed to have in their coordination and organizational structure.

As a result, a "Memorandum of Mutual Cooperation" was written and signed by Ken Enenback, MACC Vice-President, and Carter Cogle, SERA President.

The statement is a formal recognition of the mutual cooperation and concurrence of goals between the two organizations. Each organization respects the geographical area coordinated by the other and agrees to provide complete cooperation in the continued coordination of repeaters in those locations which border or overlap.

The mutual goals pursued by both groups is to promote and provide for the best interests of Amateur radio, and heartily support the efforts of each organization.



Memorandum of Mutual Cooperation
SouthEastern Repeater Association, Inc.
Mid-America Coordination Council, Inc.
January 8, 1989 - Knoxville, Tennessee

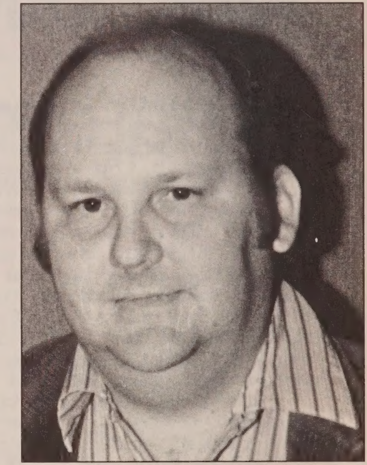
This statement is a formal recognition of the mutual cooperation and concurrence of goals between the SouthEastern Repeater Association, Inc. and the Mid-America Coordination Council, Inc.

Each organization respects the geographical area coordinated by the other and agrees to provide complete cooperation in the continued coordination of repeaters in those locations which border or overlap.

We recognize the many mutual goals pursued by both groups to promote and provide for the best interests of amateur radio, and heartily support the efforts of each organization.

A. Carter Cogle
A. Carter Cogle, SERA President

J. K. Enenbach, MACC Vice-President



Steve Grantham, N5DWU, Mississippi Coordinator was special guest at the SERA Board meeting. He told the group that his state was presently being polled for possible application for SERA District.

Enenbach and Cogle shake hands!

MACC special guests at SERA Board meeting included: Ken Enenbach, KC0WX, Vice-President; Wayland McKenzie, K4CHS, Missouri Coordinator; Dr. Wayne Fowler, KA0E, Director MACC and Kansas Coordinator; Frank Parks, WB0KRO, Kansas Director; and Jesse Sherwood, NX0Y, Kansas Director.

Continued on Page 7

Board Okays Rewrite

The SERA Board at their Annual meeting approved a complete re-write of the Coordination Policy. The policy statement was re-written mainly to clarify and update policies presently used by SERA Coordinators in their duties. One of the big improvements in the policy was titling the various sections to make any particular segment easier to find. Other changes included updating inputs/outputs and transmit/receive splits for some of the ultra high bandplans.

It was noted that the Policies need to be updated occasionally to reflect new FCC rules and guidelines to Frequency Coordinators. It was felt that the new re-write would be much easier for a repeater owner to read and understand, as conditions of coordination and requirements for coordination are spelled out in detail.

Special Guests At Board Meet

The SERA January Board Meeting in Knoxville was honored with the presence of several guests. They included:

Frank Butler, W4RH, ARRL Southeastern Division Director, Joel Harrison, WB5IGF, ARRL Delta Division Director, and Steve Grantham, N5DWU, Coordinator for Mississippi.

A delegation from the Mid-America Coordination Council (MACC) included: Ken Enerback, KC0WX, Vice-President of MACC, and Board Members, Wayne Fowler, KA0E, Director, and Wayland McKenzie, K4CHS, Missouri Frequency Coordinator.

How Many Hams Per Square Mile?

Sometimes when you are searching for information about anything, you come across something else that sets your mind to wandering. I had the occasion as I leafed through the 1989 Callbook, to look at the latest Amateur population for each of the SERA states. I began to think, wonder how many people would this make for all the repeaters? Then, as I worked up the figures, I thought, then how many hams do we have per square mile? My trusty Rand-McNally Atlas provided me with the square miles for each state. So with this information in hand, and the calculator, I went to the computer, worked up a little chart and came out with some figures that really don't mean anything. But they are interesting if you are a statistics nut like I am. In the chart below, the repeaters column includes all repeaters in that state. The hams per repeater column is the total number of hams in the state., divided by the number of repeaters. The licensed hams per square mile is the states total territory, divided by the number of hams in that state. The numbers are: one ham per so many hundredths of a square mile.

If you're not impressed, forget you ever the story. If you are a trivia buff, you can get several juicy questions from these statistics to ask your friends on the repeater, when you've talked out on the weather. (Wayne C. Williams, Editor)

SERA STATE	LICENSED AMATEURS	STATE TERR. IN SQ.MILES	AMATEUR RPTRS	HAMS PER REPEATER	LIC. HAMS PER SQ.MI
VIRGINIA	10,620	39,703	202	52.5	1/.27 mi
N.CAROLINA	9,725	48,843	221	44.0	1/.20 mi
GEORGIA	8.818	58,056	241	36.6	1/.15 mi
TENNESSEE	8,428	41.155	266	31.7	1/.20 mi
KENTUCKY	5,089	39,669	120	42.4	1/.13 mi
S.CAROLINA	4,070	30,203	83	49.0	1/.13 mi
W.VIRGINIA	3,329	24,119	91	36.6	1/.14 mi
TOTALS	50,079	281,248	1,224	--	---

SERA Bylaws Revised and Approved By Board

One of the main items on the agenda for the SERA Board at their January meeting was final discussion and approval of a complete re-write of the age-old Bylaws of the Organization. For several months, Treasurer Ray Adams had been sending copies to Board members for their suggestions and changes, making revisions, and returning new copies for approval.

The version which had been mailed to the Board in late November was the version to be voted upon at the meeting. With only a few clerical changes, the Bylaws were approved unamiously.

Some Changes Reflected

* The name of the organization's spelling of Southeastern was changed to capitalize the letter "E", thus SouthEastern.

* In the event of elections, additional time was given the Secretary to mail ballots, get them back and count them before deadlines.

* In the matter of eligible voters - a Full Member must be a member in good standing in the year of the election, as reflected in the February Repeater Journal. A Full Member has only one vote, even if he has occasion to be a representative of several repeater memberships.

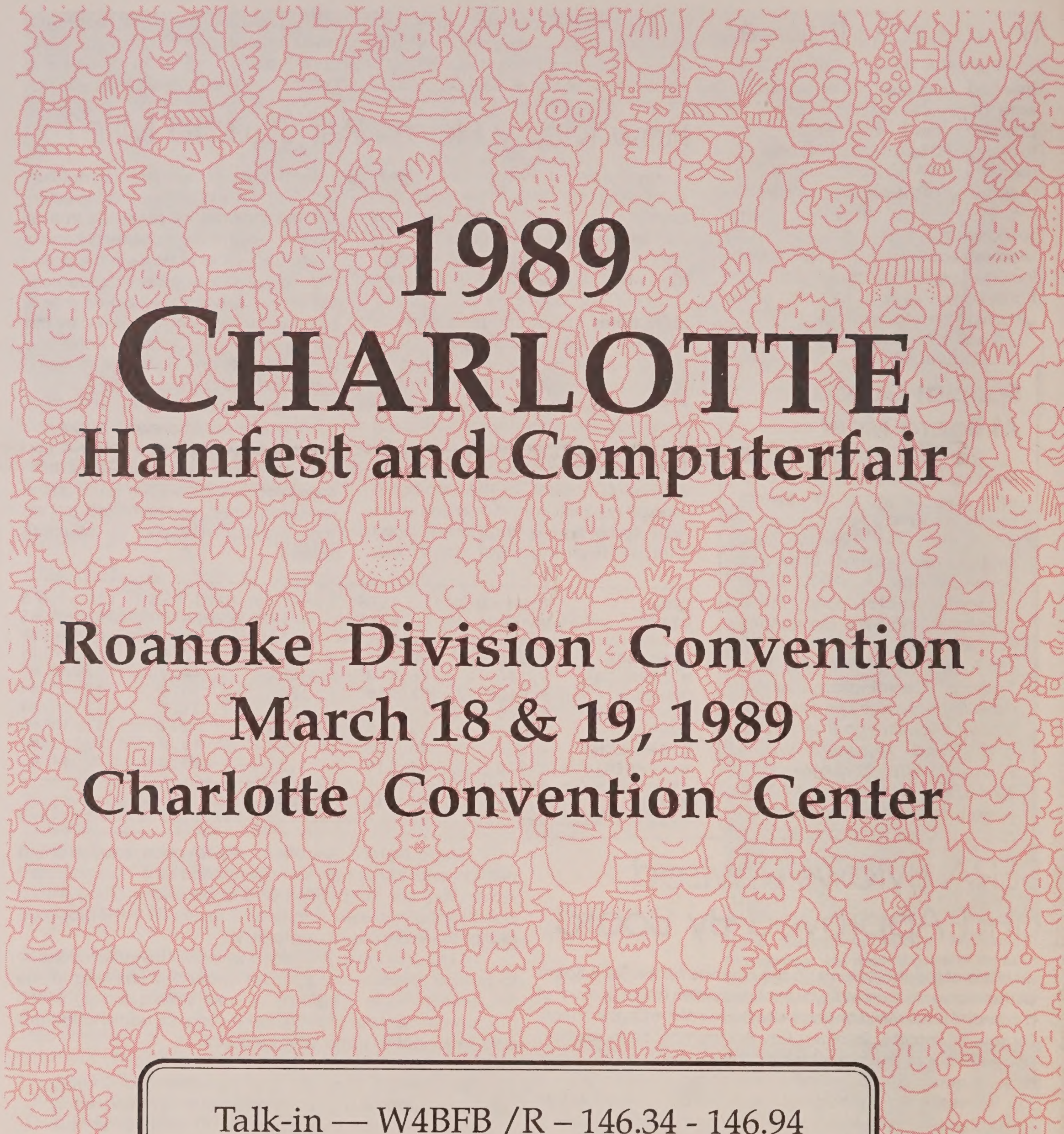
* Qualifying for a new district of SERA once required only a petition and 10 Full Membership applications. The amended version requires the petition and applications, along with a poll of repeater owners or trustees of repeaters in the proposed district to determine acceptability.

* A key change to the Bylaws which will be more favorable to outside states wishing to join under the umbrella in the future was made. Originally, a new state (district) which became a member of SERA, lost it's original name or identity and took on the name SERA as a District.

The new provisions state:

> (Section 26) Pgh. (6) any repeater coordinating organization existing in an area prior to its becoming a SERA District may continue to keep its unique identity providing.
>
> (a) all of SERA's Bylaws and coordination policies and guidelines are complied with as fully as if the state organization did not exist.
>
> (b) the election of SERA's District Director and District Vice-Director in that district is the election of the state organization's President and Vice President. In other words the same two people will serve both organizations simultaneously **and**
>
> (c) membership in the state organization does not require membership in SERA and Vice Versa except as to the restrictions of #26 (D) (6) (b) above.

Continued on Page 56



1989
CHARLOTTE
Hamfest and Computerfair

Roanoke Division Convention
March 18 & 19, 1989
Charlotte Convention Center

Talk-in — W4BFB /R – 146.34 - 146.94

87,000 sq.ft. Indoors

We have 500 Flea Market tables to sell - by pre-registration only ! We are also offering a special flea market area with electricity. To qualify, you must purchase at least 5 tables. There will be an additional charge for electricity. NC sales tax will be collected in this area.
Reservations must be in by February 24, 1989.

ARRL Sanctioned Hamfest

FCC Exams

The 1989 Charlotte Hamfest and Computerfair will offer FCC license exams on Sunday,March 19 at 9:30 am (please, no walk-ins) To register for an exam, send a completed 610 form along with any copies of your license or certificates and include a check for $4.50 made out to:
Charlotte VEC Mail to:
Charlotte VEC , 227 Bennett Ln. , Charlotte, NC 28213

All Major Manufacturers

Prizes

Pre-registration drawing - Saturday, 10:00 am
Saturday drawing - 5:00 pm • Sunday drawing -2:00 pm
Hourly drawings both days

Activities

Shopping across the street at Overstreet Mall
Bingo on Saturday

For more information contact: (Exhibit Booth) Robert Starling, N4GVF, 7921 Holly Hill Rd., Charlotte, NC 28227, (704) 568-7611 • (Flea Market & Pre-registration) Jeff Blythe, KA4WYC, (803) 222-9285

Use this handy form for your pre-registration tickets. If we receive your request after Feb. 24, 1989 or you have not included a S.A.S.E. we will hold your tickets at the door.

1989 Hamfest and Computerfair

I would like ________ Hamfest tickets @ $5.00 each ____________
I would like ________ 6 ft. flea market tables @ $12.00 each ____________
I would like ________ Chairs @ $1.00 each. ____________

Total amount __________ enclosed

Name ______________________________ Call ____________________

Address ______________________________ Phone ____________________

City ______________________________ St ________ Zip ____________

Send check with S.A.S.E. to: Charlotte Hamfest, P.O. Box 22136, Charlotte, NC 28222-1136

WEST ANTENNA SERVICE — YOUR SOURCE FOR ROHN TOWERS AND ACCESSORIES

Rohn 25G Straight Sections

In addition to a large stock of straight tower sections, we also have flat and sleeved top sections, thrust bearings, house brackets, short base sections, rotor plates, guy assemblies, guy wire, cable clamps, turnbuckles — you will need for a complete tower installation.

Utility Poles & Hardware

We have a limited variety of utility pole hardware and can supply utility poles in the Greensboro, N.C. area.

Scotchkote Electrical Coating

Made by 3-M Co. This can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15 Oz. can Scotchkote coating . . . $10.00

Rope

West Antenna has a huge inventory of all types of synthetic rope in all sizes to fit your every need. Large or small, your rope requirements can be met by us.

CHECK THESE ROPE SPECIALS: BLACK TWISTED POLYPROPHELENE

Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

¼ inch	4 cents/foot
600 foot spool	$20.00
1,000 foot spool	$30.00
⅜ inch	8 cents/foot
600 foot spool	$40.00

Hard Line and Connectors

West Antenna can also supply ½, ⅞, 1¼, and 1⅝ inch hard line in corrugated copper, as well as ¼ inch corrugated copper superflex. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.

Cadweld

The fastest and most reliable connections for buried or above ground rods. This system provides a molecular bond that can't loosen, can't corrode, isn't subject to galvanic corrosion, and is capable of carrying more current than the grounding conductor itself. West Antenna Corporation can supply and install ground systems for commercial tower sites.

Battery Taps

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessible. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. This has proven quite adequate for high current needs.

Battery Taps . . . . $4.95 ea.

Polyphaser Lightning Suppressors

High quality commercial units. Low loss, low noise. Frequency range through 2 Ghz. Bulkhead and inline types are available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

Miscellaneous

PL-259 Connectors (U.S. Made)	.65¢
10 or more	60¢
UG-175 or 176 Adapters	30¢
10 or more	25¢

Other Tower Accessories

Aluminum mast pipes, feature 2 inch OD 6061 tubing with ¼ inch wall.

12 foot lengths, 19 lbs. - In Stock
24 foot lengths, 38 lbs. - In Stock

Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

Large Industrial spray can . $8.00

Stainless Steel Strapping Kits

Stainless steel strappings kits, for strapping hardline or multiple runs of Coax. Kits come with 25, 50, or 100 feet of stainless steel strapping and buckles.

For the Ultimate Mobile Installation

We have what you need - wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low Band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE - Single Conductor-Stranded.
red or black vinyl insulation
#10 wire . . . 30¢ per foot
#14 wire . . . 20¢ per foot

FUSE BLOCKS - Our fuse blocks are rugged, holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30AMP Fuse Block	$4.95
60AMP	$5.95

Fuses - 5,6,7,8,10,20,25,30 Amp . . . . 80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS - These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting . . . . Special $13.95

40 Amp. cont. duty solenoid-type, 12 V $34.95
(Commercial Dealers, call for Dealer Prices)

Other Accessories at Good Prices!!

Guy Wire Insulators - Compression-type porcelain. Approx. 1½ x 2½ inches, ⅜ inch hold.

Insulators	$2.40
10 or more	$2.10

WEST ANTENNA SERVICE

Harwood West, WB4RLO • Local Call (919) 621-2473
4110 BURLINGTON ROAD
GREENSBORO, N.C. 27405-8629
U.S. WATTS: 800-334-4252
N.C. Watts: 800-632-0389

Ted McElroy's World Record in CW

Are You A Good "CW" Operator?

— by W.J. (Buck) Wortman, W4CYB

Following the end of World War I; when Amateur radio was permitted again and for many years; a majority of Amateur radio operators utilized "CW" almost exclusively. It was during the 1930s that "Phone" operation became somewhat popular. It seems that today "Phone" is more in vogue than "CW" (to the uninformed "CW" is continuous wave transmission using International Morse Code). The mark of a good operator was a good "fist". An operators ability to both send and copy code at a fast rate was both admired and praised throughout the Amateur ranks. Poor operators were known as "Lids". (sending "QLF" was a popular code meaning "try sending with your left foot"). My personal impression is that today the Amateur ranks contain far too many "Lids" both phone and CW.

Currently, "Hamfests" are held somewhere through the United States almost every weekend. In North Carolina, during the 1930s, the predecessor of todays hamfest were known as "floating club meetings". These meetings were held at about three month intervals. Their location was determined by invitation from one of the local Amateur Radio Clubs, hence the name "floating". Such clubs existed in towns or cities such as Charlotte, Raleigh, Asheville, Fayetteville, Winston-Salem, Greensboro, etc. The clubs who sponsored the meetings arranged the programs. The gatherings were usually a one day (Sunday) affair and most programs consisted of technical speakers and "eyeball QSOs". Some radio parts trading went on between the hams, but distributors, retail sales dealers, manufacturers displays, flea markets, etc. did not become common until a much later date.

One of the most memorable meetings among the many which I attended was held at the George Vanderbilt Hotel in Asheville, N.C. on July 2, 1939. Old records indicate that there were 319 persons registered at this meeting. The registration fee was a "big" dollar bill with George Washington's picture -- a whole $1.00. My attendance at this meeting was jeopardized by the illness of my wife, who had measles at the time. This fact is imprinted in my memory because people were supposed to have had common measles years before during childhood; not after they were married and infected by a child who brought the disease home from school.

The main event in Asheville was a code copying contest; arranged by a Mr. Walter Candler. Mr. Candler's business was the sale of a training program for radio operators known as "The Candler System." It had world wide distribution, with offices in Asheville and in London, England. Three notable contestants, who trained through this system, were entered as participants in the contest.

One was Ted McElroy, who at the time, held the world's record for copying code. Another was L.R. McDonald, W8CW, tho had won some earlier contests. The third noted contestant was Jean Hudson, W3BAK. Jean held the title of World Champion in her division. She won her title at the age of nine, six years before in 1933, at the Chicago World's Fair.

There were four judges of the contest. One was Gene Turney, W2APT; a second was Hugh L. Caveness, W4DW of Raleigh, N.C. Hugh was the Director of the Roanoke Division ARRL and a Chemistry Professor at N.C. State. Another was Navy Capt. Earl Gluck, W4CQ of Charlotte, N.C. Earl was involved in radio broadcasting. He did the first ever broadcast from radio station WBT in Charlotte. At that time I was the North Carolina Sections Communications Manager of ARRL, and one of the judges.

Sealed tapes for the contest were furnished by the FCC. For checking purposes, the judges were provided written documentation of the contents. These tapes were of punched paper and were run on a machine known as a "Creed Transmitter." Warmup runs at some 40 to 50 words per minute were conducted utilizing some of Mr. Candler's training tapes. Following this the real contest was begun. The contest tapes were unsealed and placed on the tape machine. The contestants sat down at their "mills" (typewriters to the uninformed) runs of three minutes each followed. Results were checked and the speed increased. It is my recollection that Jean Hudson, W3BAK dropped ou at 55 wpm. Tape speeds were increased; the tension mounted -- 55 wpm then 60 wpm, then 65 wpm, then 70 wpm. At this point only two contestants qualified for higher speed. They were McDonald and McElroy. Tape speed was increased again, and all that could be heard above the din of the crown was the rattle of the typewriter keys. Dead silence followed the last tape run. The judges checked the copy for accuracy and final results gave McElroy the Championship at 75.1 words per minute. This exceeded his old world record by a small margin. McDonald was a close second at an even 75 words per minute.

I recall McElroy continuing to type for what seemed like thirty to forty seconds after the tape stopped. It was truly an outstanding accomplishment; a scene I shall always remember.

In 1985, I was contacted by an Amateur (a W5 in Texas who shall remain nameless), His request was for any information I could give him about the 1939 contest. At the time, he stated that they were going to break the McElroy record at the upcoming Dayton Hamvention. I offered him a wager that the record would stand. He refused my offer and for the record, McElroy's still stands. Break Mac's record? I don't think it will ever be broken. Ted McElroy possessed the ability for intense concentration and a marvelous mind. He was a person with unbelievable code copying ability.

Anyone interested may refer to page 94 of QST for Septembr, 1939, and to page 90 of QST for October 1939. Here are published photographs taken at this contest. It was one of the most memorable events of my life as a "Ham" which now spans more than seventy years.

I still have a McElroy "Bug" which i purchased from him soon after the contest. It's base is pear shaped rather than the usual rectangular base utilized by Vibroplex and other automatic keyers. It still operates quite well; however, like many older "Hams" I have long since graduated to an Iambic; but it was fun operating "CW" in those days of long ago.

HOWARD W. SAMS/HAYDEN BOOKS

COVERING COMPUTER AND
ELECTRONICS TECHNOLOGIES:

APPLE COMMODORE IBM
MACINTOSH ATARI AMIGA

MODEM CONNECTIONS BIBLE
PRINTER TROUBLESHOOTING
PC POWER PROTECTION
PRACTICAL MICROWAVES
IC USERS HANDBOOK

VIDEO CAMERA SERVICING
COMPACT DISC SERVICING
VCR EQUIPMENT SERVICING

MASTERING PACKET RADIO
RADIO HANDBOOK (BILL ORR)

WORLD SATELLITE ALMANAC
KU BAND SATELLITES

MANY OTHER TITLES FOR THE
ENGINEER, TECHNICIAN, ETC

20% DISCOUNT ON ALL BOOKS

ADD SALES TAX & SHIPPING.

SEND $5.00 FOR THE NEW
HOWARD W. SAMS CATALOG
REFUNDED ON FIRST ORDER.

CATALOG WILL BE SENT UPS
PREPAID OR POSTPAID IN USA.

NEW UNDERSTANDING SERIES
COVERS MICROPROCESSORS,
DIGITAL LOGIC, DATA,
COMMUNICATIONS, SECURITY
ELECTRONICS, FIBER OPTICS,
LAN, MS-DOS, CAD/CAM, ETC

THE KEY TO EXPANDING YOUR DIGITAL TROUBLESHOOTING SKILLS!

HOWARD W. SAMS & COMPANY
22571
Advanced Digital Troubleshooting
Alvis J. Evans

Advanced Digital Troubleshooting

Alvis J. Evans

Technicians ready to expand their skills to include advanced digital troubleshooting can learn quickly with this practical, illustrated how-to guide. Detailed coverage of microprocessor service and repair, instructions explaining how to maintain digital systems, and several successful approaches to troubleshooting make this book a valuable tool for the service professional.

Practical troubleshooting of digital equipment is explained at the level of boards and even components. The author also briefly reviews digital circuits.

Comprehensive coverage of digital test instruments includes digital logic probes, oscilloscopes, and logic analyzers of in-circuit emulators.

Topics covered include:

- Electrical Characteristics of Digital Systems
- Digital Troubleshooting Methodology and Approaches
- Microcomputer Fundamentals
- Meet the Main Chips
- Software and the Diagnostic Program
- Using Basic Digital Troubleshooting Instruments
- The Logic Analyzer
- An In-Circuit Emulator
- Signature Analysis
- Preventive Maintenance, Repair, and Checkout

Alvis Evans, a troubleshooting professional for 20 years, has authored three other books and two study manuals in electronics technology.

208 Pages, 8½ x 11, Softbound
ISBN: 0-672-22571-9 **No. 22571, $19.95**

EDWARD A. ENGEBRETSON W4YC

GLOBAL COMMUNICATIONS, INC.
1308 HUNTING RIDGE ROAD
RALEIGH, NORTH CAROLINA 27615-7021

TELEPHONE OR TELEFAX: (919) 846-1515

Wide Area 220 Machine

Cover Story

— *by Murray D. Adams, WA4DAN*

A super wide area coverage 220 Mhz. repeater was placed in service recently at the 1,600 foot level on a 2,000 foot tower near Grifton, N.C. The machine is on 223.24-224.84, coordinated and a full member of SERA.

The very initial planning for the repeater started in January of 1987, when a seven foot high cabinet was placed at the 1,600 foot level on the Grifton tower. The primary purpose for the cabinet was to house 2 Ghz. microwave equipment.

Initially our group considered installing a two-meter repeater, but several factors influenced our decision to go with 220. (1) Two 100 KW commercial FM stations were already on the tower, just above our proposed site, just 40 Mhz away from 2-Meters. (2) There was a 2-meter repeater already on the tower, (3) The already crowded 2-meter band made it tough to coordinate a new frequency, and (4) Our groups long-standing interest in the 220 band.

Now seemed to be the ideal time to move forward.

First–Some Tests

Before any repeater equipment was ordered, we conducted tests on the tower beginning in March of 1987. The test involved using an ICOM IC-37A and a Ringo Ranger antenna. The weather that day was superb and so were the results of the test. We worked simplex on 223.50 and found that handhelds from Rocky Mount, some 50 miles away, were reliably communicating with us. No FM interference was noted from the commercial stations on the tower, not any other RF associated problems.

We were surprised that we didn't get some interference, since our equipment was properly shielded for such a test and we were only 35 feet away from a 107.9 Mhz FM station with 100 KW.

Then A Meeting Was Held

With the successful test results in hand, we convened that night and discussed what had happened. We made plans to start raising the necessary funds, and decided what kind of equipment to use.

Mounting a repeater and antennas at 1,600 feet on a tower requires some thought, planning and lots of funds. The one mistake you don't want to make is going the cheap route. You can just run up a tower like that and make adjustments everyday. We needed something that would work without much maintenance, and be troublefree. This meant commercial grade repeater and antennas, capable of withstanding severe weather, icing conditions, very high winds, and feedlines capable of standing years strapped to a tower in these conditions.

Surveying The Equipment Needed

We looked long and hard on the market, and finally chose the Spectrum SCR-77 repeater and a DB Products dipole array. These have proven to be good choices. The SCR-77 is a basic, no frills repeater. We have the 30-watt model. The receiver is hearing below .2 microvolts with excellent selectivity. The squelch circuit has hysteresis which hangs onto a weak, fluttery mobile signal. There is also no need to set the sqelch right on the threshold either.

A Wacom bandpass cavity on the front end of the receiver has performed excellent with no problems with the massive RF on the tower. The two DB products arrays, one 4-dipole for receive, and one 2-dipole for transmit, have given us a very clean pattern and a very low VSWR.

Upon arrival of all the equipment, last August, we installed the repeater for initial tests. We found it performed well, but there were a few glitches that needed to be ironed out. The factory was unable to correct the problems.

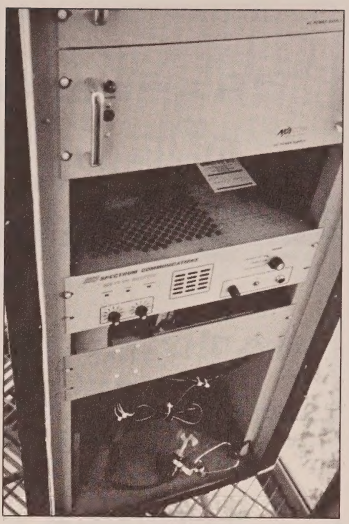
Fortunately for us, Danny Hampton, K4ITL volunteered to work on the machine for us. He was successful in getting a 2nd I.F. Stage back on frequency, removing some hum from the carrier, and resolving some bassy audio.

While on the bench, with his extensive knowledge of repeaters, especially installing them on tall towers, Danny installed a crystal oven on the receiver and a oscillator oven module on the exciter.

Now We're Ready To Go!

When Danny finished, we took the equipment back up on the tower and installed it. It worked perfectly!

Our receive dipole array is at 1537 feet and our transmit dipole array is at 1,603 feet.



The repeater gives good coverage throughout much of the Eastern part of the state with our dipoles main lobe pointing to the Northwest. Handheld coverage extends past fifty miles.

Boaters and fishermen in the Pamlico Sound, Southern and Western parts of the Albemarle Sound and most of the Intracoastal Waterway are able to reliably work our 220 repeater.

We have linked our Grifton 220 repeater with the New Bern 01-61 repeater on 2-Meters, and a net involving both repeaters is held every Wednesday at 8 P.M.

Extensive Future Plans

Our future plans are ambitious. We want to purchase another complete SCR-77 repeater to serve as a backup. Also on the agenda is the purchase of two more 4-pole arrays. One will be put in place of the exciting 2-pole system, and stack the second one with the one now in use to make s 8-pole array.

Thanks to Many!

Many special thanks go to several people for this project: To Heber Adams,W4GDF, for tower logistics and site coordination, Bernie Nobles, WA4MOK, for tower work and antenna installation, Danny Hampton, K4ITL, for technical advice and maintance, the NF4C 220 repeater group for its outstanding support, and to the many individuals who contributed to this project. We couldn't have done it without your support.

Everyone is welcome to use the 24-84 repeater on 220 if you are in our area. Our committment is to having the best repeater to serve the entire Amateur Community in our area.

220 Mhz. is alive and well in Eastern North Carolina!

CHARLESTON, SOUTH CAROLINA

1989 HAMFEST

SATURDAY FEBRUARY 25, 1989

BEAT THE CABIN FEVER

Have you been shut in all winter?

Time to get away for the day!!!!

NEW LOCATION: ALL INSIDE AND NEAR THE BEAUTIFUL HISTORIC DOWNTOWN. SIGHTSEEING AND SHOPPING FOR THE NON-HAMS IN THE FAMILY.

NATIONAL GUARD ARMORY
89 HAGOOD AVE

V. E. EXAMINATIONS ON SITE.

CARS DOGS & OTHER EATS

LODGING CLOSE BY

BINGO FOR THE LADIES

PLENTY OF ROOM FOR DEALERS

SOCIAL HOUR 4 - 6PM

CASH PRIZES $400/$200/$100

BIG FLEA MARKET SPACE

THE ALINCO DJ-100T 2-M HANDHELD

ALINCO ELECTRONICS

ALINCO

COMING SOON!

"DJ" Series

220 Mhz H/T
450 Mhz H/T
Dual Band H/T
(2M = 450)

ALINCO
VHF FM TRANSCEIVER DJ-100T
FUNCTION
MEMO
VOL
F LOCK
SHIFT
RESET
CHARGE

Tiny, Tough, & Terrific

The New Generation Alinco series of "DJ" handhelds are a proven winner in today's Market. It is small, high power and does everything and more than the competition.

**Don't shortchange yourself. . .
Take Time to See What the DJ-100 Will Do!
Before you buy any new "micro" handhelds. . .**

The Williams DJ-100T SUPER PACKAGE!

- FREE SHIPPING UPS BROWN
- **YOUR BATTERY IS CHARGED**

$249.00

List Price
$299.00

- **PLUS - FREE! FREE!**

**YOUR CHOICE!!!
DC Power Cable With Filter
Valued at $14.95
or
AEA HOTROD 1/2-Wave H/T
ANTENNA - Value $16.95**

DJ-100T Accessories: • Mobile Bracket • Mobile Charge Cable • Mobile DC Power Cable W/Filter • Speaker Mike W/Lapel Clip • Earphone/Mike W/PTT • Charging Stand • Leatherette Case • 7.2V 700 mah Battery • 12V 700 mah Battery • 9.6V 450 mah Battery. Complete List with prices included with every radio we ship!

The DJ-100T features:

- **LCD Readout with switchable backlight**
- **10 Memory channels plus 1 priority channel**
- **BNC Antenna connector - 16 Position DTMF Touchtone**
- **Battery Save mode-draws 15ma. - Extended battery life**
- **DIRECT DC Operation - No expensive converters to buy.**
- **500ma Standard Battery Included - other sizes available**
- **Stores offsets in memory (many others don't)**
- **144 to 150 (Extended receive, CAP, MARS easily modifiable)**
- **Easily accessible Dip Switches for Sub Tone (included)**
- **.16 uv Sensitivity**
- **A full Range of Accessories - IN STOCK! (extra Customer Discount)**
- **180 Day Full Warranty PLUS 2 Year Service Warranty!**
- **Williams Charges your Battery (Your radio is ready to use)**
- **Williams guarantees your DJ-100T 100% on arrival or we'll replace it!**
- **Williams Exclusive EXTRA 5% Customer Discount on Accessories**

You will find the Competitors have some of the features of the DJ-100T, but NONE have ALL the features. And we haven't even mentioned the price. We can safely say. . . The Alinco DJ-100T is today's best buy on the "micro" handheld market today in quality, features and price!

FREE UPS Shipping on All Alinco Radios. N.C. Residents add 5% Sales Tax. Mail Check with order, or add $2.50 for Phone CODs. NO CREDIT CARDS. Prices subject to change without notice or obligation. Limited supplies.

Now! Celebrating 15 Years of Service!

WILLIAMS RADIO SALES
**600 LAKEDALE ROAD
COLFAX, N.C. 27235**

**FOR THE BEST DEAL!
(919) 993-5881
NOON TO 10:00 P.M. EST**

NORTH CAROLINA

TEARC Examinations

Kernersville

First Saturday of **each** month. 9:00 a.m. at Kernersville Public Library. Fee $4.50. Walkins allowed. Contact Bob Gates, KJ4IC (919) 996-5196.

High Point

Third Saturday of **each** month. 9:30 a.m. at Masonic Temple on Main Street. Fee $4.50. Walkins allowed. Contact Ray Anderson, AA4LT. (919) 882-3869.

Other TEARC Examiners

LEXINGTON, NC - Contact: Rae Everhart, K4SWN, (704) 249-8734. WILMINGTON, NC - Contact: Don Conaway, AF4J, (919) 791-9460. PEACHTREE CITY, GA - Contact: Veronica Hicks, N4ODI, (404) 927-6296. MORE TEARC EXAMS - Contact: Jim Williamson, NQ4T, (919) 869-6637.

TEARC/VEC NOTE!

Our phone number has changed to (919) 841-7576. We are now accredited for the **fifth Call area.** We are looking for Volunteer Examiners. If interested in becoming an Accredited VE, write or call us. TEARC/VEC, 3504 Stonehurst Pl., High Point, N.C. 27260.

WAVE Examinations - Raleigh, NC

Wake Amateur VEs conduct examinations at St. Augustine's College. Pre-registration generally requested, but walkins are accepted up until 30 minutes prior to exam time. Contact: J.M. Johnson, WM4P, 2118 Lyndhurst Dr., Raleigh, N.C. 27610, for further information and schedules.

WEST VIRGINIA

W5YI Examinations

Charleston, W.Va.

The Kanawha Valley group gives Novice thru Extra class exams at 9:00 a.m., 2nd Saturday of each month, at Holy Trinity Catholic Church in Nitro. Walkins are accepted. Talkin on teh 40-00 St. Albans repeater.

Bluefield

The Bluefield VE Team will give examinations at the Bluefield (WV) State College in the Basic Science Building. All dates are on Saturday and exams will always start at 9:00 a.m. promptly. All exams are walk-in and include Novice through Extra. Applicants should bring a check payable to "Bluefield VE Team" for $4.75, or cash is acceptable. Also bring your original license, and a photo copy, along with two valid pieces of identification. For further information, contact: Don Williams, WA4K, 412 Ridgeway Drive, Bluefield, Va. 24605. (703) 326-2411.

Bluefield Schedule

February 11 May 6
July 22 August 12
November 11

VE EXAMINATIONS

— Compiled via VEC Announcements

The Repeater Journal will publish authorized VE examination schedules quarterly in each issue. VECs and VEs are encouraged to use this vehicle to publicize their examination schedules FREE of charge. Send schedules to the Repeater Journal editor. Deadlines are 1st of Month prior to month of publication.

TENNESSEE

WCARS Examinations

RACK VE Team (WCARS/VEC)

Pre-registration generally required, however, as many as three may be tested as walkins if they arrive before 9:45 a.m. Exams begin promptly at 10:00 a.m. Pre-registration cutoff is day before examinations. Payment by check for $4.75 to WCARS/VEC along with copy of present license and S.A.S.E. (in case of any problems). Send information to Ray Adams, N4BAQ, 4325 Felty Drive, Knoxville, Tn. 37918.

Pellissippi State Technical Com. College Schedule

Exams conducted in Building B, Room 129.
Schedule

February 18 March 18
June 17 July 15
August 19 September 16
October 21 November 18
December 16

RACK Hamfest Exam Schedule

March 4 - Morristown Swapfest
April 15 - Oak Ridge Hamfest
May 20 - Knoxville Hamfest

Other WCARS/VEC Tennessee Exams

Blount County

Second Monday night of each even month - St. Andrews Church Hall, W. Broadway, Maryville, 7:00 p.m. Walkins normally accepted. Contact Carroll Peabody, W4PCA, Rt. 7, Box 551, Maryville, Tn. 37801 (615) 982-5839.

February 13 April 10
June 12 August 14
October 9 December 11

Carter County

Moody Aviation - Carter County Airport. Walkins normally accepted. Contact Joe Hopkins, K4BKI, 414 East H. Street, Elizabethton, Tn. 37643 for schedules and information.

Chattanooga

Walkins normally accepted. Contact Bruce A. Adams, KA4DLV, 4533 Peckinpaugh Dr., Chattanooga, Tn. 37416 (615) 899-9687 for schedules and information.

Cleveland

STAR Club Building. Walkins normally accepted. Contact Russell E. Lawson, WB4LCB, 802 SE 20th St., Cleveland, Tn. 37311 (615) 476-8476 for schedules. Possible dates in March, June, Sept. and December.

Fentress County

Contact Mike Ledbetter, AB4BX, Rt. 4, Box 759, Jamestown, Tn. 38556 (615) 879-8626 for schedules.

Henry County

Henry County High School, Paris. Walkins normally accepted. Contact Mackie Gallimore, AA4YF, P.O. Box 68, Puryear, Tn. 38251 for schedules.

Jasper

Jasper Public Library. Usually on Sunday afternoon. Walkins generally accepted. Contact Charles Wooten, KD4XX, 103 W. 7th St., Jasper, Tn. 37347 (615) 942-5116 for schedules.

Loudon County

Fourth Saturday of each **even** numbered month. Loudon County Justice Center, Sugar Limb Road & U.S. 11 (Exit 76 on I-75). Walkins normally accepted. Contact Bob Gray, KE4SK, 1114 Welch Ave., Loudon, Tn. 37774 (615) 458-6115.

February 25 April 22
June 24 August 26
October 28 December 23

Morgan County

Second Saturday of each **odd** numbered month. Joyner Volunteer Fire Department, Coalfield. Contact Paul Seavers, AA4P, Rt. 1, Box 2040, Oliver Springs, tn. 37840 (615) 354-4281.

March 11 May 13
July 8 September 9
November 11

Roan County

Second Saturday of each **even** numbered month, Pond Grove School, Rockwood. Walkins normally accepted. Contact Richard Spillee, AA4KS, 306 S. Kingston Ave., Rockwood, Tn. 37854 (615) 354-4281.

April 8 June 10
August 12 October 14
Decembr 9

KENTUCKY

WCARS/VEC Examinations

Hazard

For schedules and information, contact John Farler, K4AVX, 109 Hall St., Hazard, Ky. 41701 (606) 436-5354.

Middleboro

First Saturday of each **even** numbered month. Middlesboro Library. Contact Wade Bevins, WA4OBL, 127-A Oak Street, Ineville, Ky. 40977. (606) 337-8165.

February 4 April 1
June 3 August 5
October 7 December 2

SOUTH CAROLINA

WCARS Examinations

Columbia

Saturdays as indicated. Red Cross Building on Bull St. at 9:00 a.m. Walk-ins accepted. Check for $4.75 payable to WCARS/VEC along with original and photocopy of current license and photo I.D. such as Driver's license. For more information, contact Ray Rogers, N4WR, P.O. Box 550, Chapin, S.C. 29036 (803) 345-3373. Talkin on 83-43 rptr.

Exam Schedule

February 18 April 15
June 17 August 19
October 21 December 9

Continued on Next Page

BARC Awards First Charles Litz Mem. Scholarship

The Briarpatch Amateur Radio Club (BARC) awarded the first Charles Litz Memorial Scholarship this spring to Miss Melanie Young, a 1988 graduate of Independence High School. Melanie is the daughter of Mr. and Mrs. James C. Young of Troutdale, Virginia. She was chosen from among the applicants from the public high schools in the service area of the club.

The Charles Litz Memorial Scholarship Fund was established by an initial donation from a local Boy Scout troop and a matching donation from the BARC. The club also contributes a portion of the proceeds from its annual fund raising events.

The scholarship was established in memory of Charles Litz, a local amateur radio operator. Charles gave unselfishly of himself to the youth of the area. He was killed while setting up a radio demonstration for the scouts in the area. The Briarpatch Amateur Radio Club would like to help the area youth by continuing this scholarship in Charles' memory. The scholarship is available to students in the public schools of the service area of the club and to members' children who live outside the area. Donations to the fund can be made to the Briarpatch Amateur Radio Club, Inc. in care of James Blythe, 202 Locust St., Galax, VA 24333.

VE EXAMINATIONS

— Compiled via VEC Announcements

Continued from Page 16

VIRGINIA

W5YI Examinations

Danville

Danville VE team, 6:30 p.m. last Tuesday of each month, January through November at Danville Community College, Hill Building. Contact Jim Bond, AB4FZ, (804) 799-2422.

Southeastern Virginia

Walkins accepted, but contact would like to know in advance that you are coming to take the test. Bring original and photo copy of current license and any upgrade certificates. Check for $4.75 to ARRL/VEC or W5YI/VEC (as indicated at exam site schedule below). For Chesapeake DX Assn. exams make check payable to Bill Verebely/VEC. For HRRA exams, make check payable to HRRA/VEC.

SE Va. Schedule

MARCH 4 - South Peninsula ARC (ARRL exam). Contact Sid Evans, N4IIC 851-5573.

April 8 - Williamsburg Area ARC (ARRL exam). Contact Andrew Swanson, WJ4X 253-2811.

MAY 6 - Portsmouth ARC (ARRL exam). Contact Art Thiemens, AA4AT 484-2857.

JUNE 3 - Virginia Beach ARC (ARRL exam). Contact Tom Weikel, KA4UNC 340-7697.

JULY 15 - Chesapeake DX Assn. (W5YI exam). Contact Bill Verebely, KC4YX 424-4764.

AUG. 19 - Hampton Roads RA (W5YI exam). Contact Bill Runyon, N4BDH 487-8611.

SEP. 16 - ARRL Virginia State Convention - Virginia Beach PAVILION (ARRL exam). Contact Sid Evans, N4IIC 851-5573.

OCT. 7 - Williamsburg ARC (ARRL Exam). Contact Andrew Swanson, WJ4X 253-2811.

NOV. 4 - Portsmouth ARC (ARRL exam). Contact Art Thiemens, AA4T 484-2857.

DEC. 2 - Virginia Beach ARC (ARRL exam). Contact Tom Weikel, KA4UNC 340-7697.

GEORGIA

WCARS/VEC Examinations

Dalton

For schedules and information, contact Bert L. Coker, N4BJZ, 1320 Michael Dr., Tunnelhill, Ga. 30755 (404) 673-2214.

JOIN ARRL

BENEFITS FOR YOU: QST, QSL Bureau, Awards (DXCC, WAS, etc.), Low Cost Insurance, Operating Aids, Government Liaison and —Much more! For You!

Mail Your Application To:

To Roanoke Div. Director
(NC, SC, VA, WV)
John C. Kanode, N4MM
RFD #1, Box 73A
Boyce, Va. 22620

To Delta Div. Director
(TN, AR, LA, MI)
Joel M. Harrison, Sr., WB5IGF
Rt. 1, Box 219B
Judsonia, Ar. 72081

To SE Div. Director
(GA, AL, FL, PR)
Frank M. Butler, Jr. W4RF
323 Elliott Rd., SE
Ft. Walton Beach, Fl. 32548

USE THIS COUPON OR A FACSIMILE AND MAIL TODAY.

Ctsy. SERA Repeater Journal

ARRL MEMBERSHIP APPLICATION

Name ____________________ Call __________
Street ____________________
City __________ Prov./State __________ PC/Zip __________

$25 in U.S. $33 elsewhere (U.S. funds) Licensed amateurs, or age 65 or over, upon submitting proof of age, may request the special dues rate of $20 in the U.S. $28 elsewhere, in U.S. funds) Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA ____________________ Expires __________
MasterCard __________ Bank. No. __________ Expires __________

HAROLD HEASTER, INC.

announces

NEW AMATEUR RADIO SALES & SERVICE

SALES

Kenwood • Icom • Tokyo Hy-Power
Super Batteries • Larsen Antennas • Accessories

SERVICE

Genuine Kenwood & Icom • Factory Service & Parts

HAROLD HEASTER, INC.

84 North Tymber Creek Road
P. O. Box 2786
Ormond Beach, Florida 32074

HAROLD, KE8MR

Nationwide Toll Free

1-800-847-2346 1-800-84-RADIO

(904) 672-2878 In Florida

10:00 A.M. to 4:00 P.M. MONDAY - WEDNESDAY - FRIDAY

Comment

Continued from Page 1

promised SERA. No action was taken whatso-ever. They apparently didn't even feel it was important enough to discuss before the full board, feeling perhaps the letter to SERAs Adams would do the trick. It did the trick for MACC. They released their lists to ARRL that same week.

Ray Adams wrote the entire ARRL Board on January 10th, and enclosed a copy of the November Journal. In his letter he asked for an establishment of continuing communications, including an answer to our "Open Letter" editorial. Adam's letters apparently crossed in the mail with the letter from Director Harrison. Other than a handwritten note of support on a QSL card from Friedheyn WA6WZO (Director Southwestern Division ARRL) the entire Board chose to ignore Adam's letter. It thus appears that we have made every reasonable effort to communicate with a total lack of success.

So with no action on the part of the ARRL board, the SERA Board reluctantly and regretfully voted NO to releasing SERA Copyrighted Repeater lists.

"If the ARRL board could have addressed this one item, the SERA Board would have considered the dispute resolved", President Cogle said, "We could live with the restricted listing of Coordinators."

This situation is very unfortunate. But until the ARRL takes time to listen to someone, and extend cooperation which should be available, Coordination Councils such as SERA are going to have to live with the demands ARRL seems to willing push upon us. It is unfortunate to use the Repeater Directory as a battlefield, but it was the ARRLs complete disregard for those Coordinators who had worked for them for years on the Directory which caused the mess we have today.

Incidentally, SERA is the only Coordination Council in the nation to withhold the lists, so says Bart Jahnke, in his letter to SERA President Cogle.

He didn't mention the established 220 SMA in California as one "old friend" being left out of the Directory because they have a dispute over coordination in their geographical area. MACC is now clean, their dispute was solved.

So, for 1989, two "old friends" are missing from the Directory, one by choice, and one not by their own choosing.

It is really hard to believe the ARRL board could refuse to clarify or even discuss one little item – but they did! This one little action – bending for an "old friend" could have prevented all this. Kind of makes you wonder just who your friends are!

It's a darn shame!

— Wayne C. Williams, K4MOB, Editor
— Carter Cogle, K4ARO, President
— Ray Adams, N4BAQ, Treasurer

Plateau RC Furnishes Communications For Annual Bridge day

A "base jumper" takes off from the New River Bridge in Fayetteville, WV during the annual event which draws about 200,000 people from around the world. The jumper has about 876 feet to get his chute open and sail hopefully to a sand bar below – if he misses, he lands in the famous New River.
— Photo Cysy: John Witt, W8OQC

Fayetteville, WV is host to some 200,000 visitors from all over the world on the third Saturday of October each year.

The yearly event is to Commemorate the completion of the New River Gorge bridge that carries Route 19 across the famous New River gorge.

Last October was no different. The Fayette County Chamber of Commerce sponsored event dres thousands to see, celebrate, eat and walk the famous "mile high"bridge.

The two North lanes of the bridge are closed to vehicular traffic for six hours nd pedestriand are allowed to walk the bridge and enjoy the beautiful breath-taking screnry.

Parachutists or "base jumpers" as they are called, come from all over the world to jump off the bridge to a sand bar and land in the river. The National Park Service has power boats and trained personnel to pick up those who hit the water. It is said to be one of the safest places for this type of jumping.

The Plateau Radio Club furnishes communications for the Chamber and between the different services such as Department of Public Safety, Sheriffs Department, Department of Highways, Ambulance and REACT. The local repeater 19-79 and 52 simplex are used. Twelve members of the club participated in the event.

Each year AMTRAC runs an excursion from Huntington to Hinton using a coal fired steam engine. This year a group of hams from the Huntington, Charleston area were abroad the train and made contact (chu-chu mobile) with the Communications Center at the bridge while passing through the gorge below.

The Plateau RC also furnishes communications for several other public events in the Fayetteville area, including the 20K race, walk for hunger, WV Sports festival parade and July Jamboree.

NAME BADGES
Actual Size

$6.00 Postpaid
1 Day Service

DYNAMIC ENGRAVERS
RT. 5, BOX 544
DUNN, N.C. 28334

KA4LKF
JIMMY
SPIVEY'S CORNER, N.C.

Your Choice of Colors!
● RED/WHITE ● BLACK/WHITE
● BLUE/WHITE ● WOOD GRAIN/WHT.

Plateau Amateur Radio Association

ANNUAL HAMFEST

FAYETTEVILLE, WV

Hot Food

Refreshments

Sun., Feb. 26, 1989

9 a.m.--4 p.m.

Fayetteville High School

Take Laurel Creek Road Exit east about 2 blocks off Rt. 19

Registration $4

Flea Market Tables $4

Major Commercial Exhibitors

1st prize	2 meter Mobile Transceiver
2nd prize	13 inch Color TV
3rd prize	Ham Station Clock
Special Prize	**VHS Video Recorder**

hourly drawings for additional prizes

need not be present to win

club members not eligible

ARRL Approved

ARRL Materials Available

Color Slo Scan Demonstration &
Packet Radio Demonstration

Talk in on: 146.79

For information call or write:

John Witt W8OQC
135 Daniels St.
Fayetteville WV 25840
304-574-0532

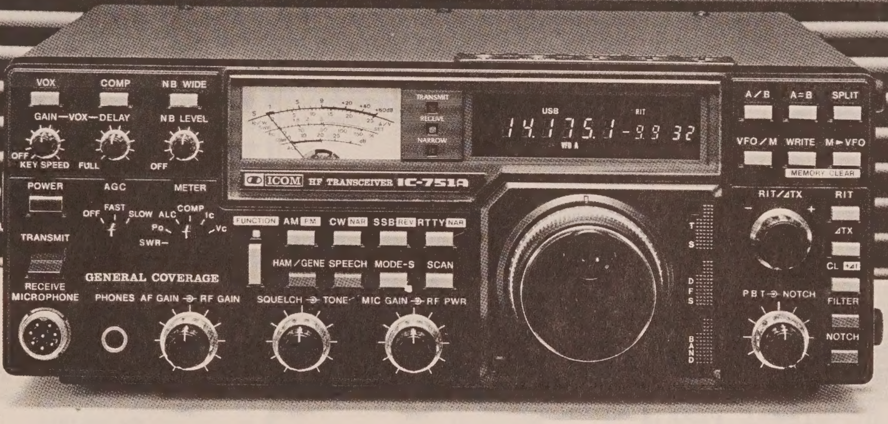
VEC Exams 9-12

Come see the Longest Steel Arch Bridge in the World
876 ft. above the New River Gorge
in scenic Fayette Co.

F & M - Your Complete North Carolina ICOM Dealer

Now! Available Again!

IC-751A


VOX
COMP
NB WIDE
GAIN—VOX—DELAY
NB LEVEL
OFF
KEY SPEED
FULL
OFF
POWER
AGC
METER
OFF
FAST
SLOW
ALC
COMP
IC
Po
VC
SWR
TRANSMIT
RECEIVE
GENERAL COVERAGE
MICROPHONE
PHONES
AF GAIN ⊸ RF GAIN
TRANSMIT
RECEIVE
NARROW
USB
RIT
14.175.1 -9.9 32
VFO A
ICOM HF TRANSCEIVER IC-751A
FUNCTION
AM FM
CW NAR
SSB REV
RTTY NAR
HAM/GENE
SPEECH
MODE-S
SCAN
SQUELCH ⊸ TONE
MIC GAIN ⊸ RF PWR
T
S
DFS
BAND
A/B
A=B
SPLIT
VFO/M
WRITE
M►VFO
MEMORY CLEAR
RIT/ΔTX
RIT
ΔTX
CL
PBT ⊸ NOTCH
FILTER
NOTCH

- **All HF Band Transceiver/ General Coverage Receiver**
- **New Design**
- **100% Duty Cycle Transmitter**
- **105dB Dynamic Range**
- **All Modes Built-In USB, LSB, AM, FM, CW, RTTY**
- **12 Volt Operation**

The new IC-751A. top-of-the-line HF base station transceiver is designed for the ham operator who demands high performance. Whether entering contests or QSY'ing for pleasure, the 100 watt IC-751A incorporates the best features of the IC-751, and brings you to the forefront of technology with the following most-requested additions.

More CW Control. For the CW enthusiast, the new IC-751A includes an electronic keyer unit, QSK rated at up to 40WPM, standard FL-32A 9MHz/500Hz CW filter and CW sidetone to monitor your code in RX or TX modes... great for practice!

All Amateur Band Coverage. Includes general coverage reception from 100kHz to 30MHz, and may be easily modified for MARS operation.

Improved Smooth Tuning. The IC-751A features a newly designed tuning control for velvet smooth tuning.

Added LED Annunciator. For easy identification if you're using the tuning speed, dial, or band switching functions.

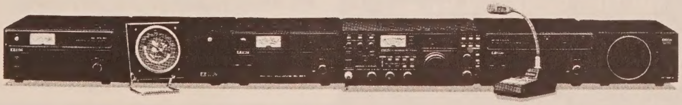
32 Memories. Mode and frequency data may be stored in any of 32 memories...all the memory capability that you'll ever need.

More Stable. Even in the receive mode, the IC-751A has a sophisticated thermal sensor to monitor the internal temperature. The sensor automatically activates the cooling fan which gives maximum stability ...critical for optimum performance during contests.

Newly Designed Features. The IC-751A boasts a number of newly designed features for better performance ... a new 9MHz notch filter that drastically reduces QRM, a new AGC system, a new compressor for better audio clarity, and a new AF gain control system that improves control of the CW sidetone volume.

Options Available. Options for the IC-751A include the IC-PS30 external AC system power supply, IC-PS35 internal AC power supply, IC-AT500 antenna tuner, IC-EX309 microprocessor interface connector, SM-8 or SM-10 desk mics, IC-2KL linear amplifier, RC-10 remote controller, SP-7 or SP-3 speakers, IC-EX310 voice synthesizer and GC-5 world clock.

Optional Filters. FL-52A CW 455kHz at 500Hz, FL-53A CW-N 455kHz at 250Hz, FL-63A CW-N 9.0106MHz at 250Hz, FL-33 AM 9.010MHz at 6000Hz, and CR-64 high stability 30.72MHz crystal filter.



a complete Supply of ICOM and Accessories. Call for Information Prices-Availability

● Parts ● Accessories ● Microphones ● Batteries ● Books ● Antennas

F&M ELECTRONICS
Frank N4AZM & Mae Wyatt

3520 ROCKINGHAM ROAD NORTH
GREENSBORO, N.C. 27407
9:00 a.m. to 7:00 p.m. Daily Closed Mondays

(919) 299-3437

REPEATER-CLUB-NET SERVICE PAGE

(803) 836-3112

SOLAR TECHNOLOGY
POWER FROM THE SUN

PHOTOVOLTAIC MODULES & ACCESSORIES
FREE CATALOG
P.O. BOX 254
CLEVELAND, SOUTH CAROLINA 29635
JIM KELLY
KC4EHV

DEALERS, BUSINESSMEN

YOUR MESSAGE HERE
$16.00 A YEAR PREPAID
(4-Issue Contract)
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

Orin B. Harding

Senior Account Manager
Building Services Division

Honeywell
WA4TBR

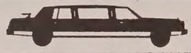
Honeywell Inc.
4 Terrace Way
Greensboro
North Carolina 27403

919/294-9244

Mary Gallagher

Hemstitching • Pleating
Special Sewing

4801 Leinbach Drive
Winston-Salem, NC 27106
(919) 924-8761
(Residence)



WA4KVJ
Greensboro Coach
LIMOUSINE

MORRIS GUY
(919) 274-2248

3100 S. ELM EUGENE ST.
GREENSBORO, NC 27406

WORLDWIDE DISTRIBUTION

HAM RADIO OUTLET

6071 Buford Hwy.
Atlanta, GA 30340
(Doraville)
(404) 263-0700
(800) 854-6046

ANAHEIM ATLANTA BURLINGAME OAKLAND
PHOENIX SAN DIEGO VAN NUYS

STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION

WB4GBI
146.94
145.47

146.625
147.075 (A)

TIM BERRY
COMMUNICATIONS TECHNICIAN II

HOME
401 CENTER OAK DRIVE
KNOXVILLE, TN 37920
(615) 579-3494
PG-6-12046 WB4GBI

OFFICE
EAST TN WAREHOUSE
OAK GROVE ROAD
LAKE CITY, TN 37769
(615) 426-2812

THE ROPE MAN

NYLON

ALL TYPES
ALL SIZES

B & B COMPANY
106 Second Avenue
Lexington, South Carolina 29072

G. A. SHIRA (803) 359-4235

DACRON

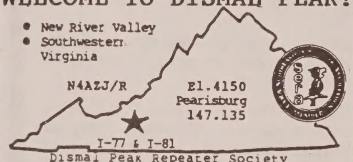
POLY and COTTON

The Amateur News and Information

NET
Mondays. . . . . 9:00 p.m.
145.11 **REPEATER**
RICHMOND, VA
K4OJE **and** OTHERS
Club, ARRL, ARES, DX, FCC Information

WELCOME TO DISMAL PEAK!

- New River Valley
- Southwestern Virginia



Dismal Peak Repeater Society
412 Ridgeway Drive Bluefield, VA 24605

MECKLENBURG AMATEUR RADIO SOCIETY, INC.

CHARLOTTE, N.C.

144.63/145.23
144.69/145.29*
146.34/146.94*
449.60/444.60
146.175/146.775 RTTY
145.01 W4BFB-1 PACKET
* Open Autopatch

W4BFB

Repeaters

146.985 444.95

NA4I/R

SERVING AUGUSTA, GA AREA
CSRA Repeater Assn.

444.650
RICHMOND

444.850
RICHMOND

147.39 REPEATER
PETERSBURG, VA
The K4ARO Repeaters
Covering Central and Southside Va.

RICHMOND
K4ARO, K4OJE, N4EHJ

PETERSBURG
K4ARO

Become
a part of

SouthEastern Repeater Association
SERA
MEMBER

Serving Eastern North Carolina
From The Capital
To The Coast

147.09 224.840 145.35

Repeaters

Greenville Grifton

SouthEastern Repeater Association
SERA
MEMBER

CLUBS, REPEATER OWNERS,
NET MANAGERS
PROMOTE YOUR ACTIVITIES
ON THIS PAGE. — 4 Issues
$16.00 A YEAR - PREPAID
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

The Repeater Journal will publish authorized VE examination schedules quarterly in each issue. VECs and VEs are encouraged to use this vehicle to publicize their examination schedules FREE of charge. Send schedules to the Repeater Journal editor. Deadlines are 1st of Month prior to month of publication.

146.970 444.950

VIRGINIA BEACH, VA

WA4KXV REPEATERS

VIRGINIA BEACH EMERGENCY
AMATEUR REPEATER SOCIETY

146.895 145.010

THE APPALACHIAN
REPEATER ASSOCIATION

146.955
ONEIDA
PEAK/BLFD.
KD8MZ

147.03
HERNDON MT.
KC8IT

145.31
LAYLAND/MANN MT.
N88ZS

145.17
BOLT MT.
N8DKL

444.625
BLUEFIELD, VA.
N8GVJ

146.625
HUFF KNOB/FLT TOP
N88ZS

444.0
HERNDON MT.
N8CYH

145.01
BLUEFIELD, VA
WB4BBF-1

444.8
LICK KNOB
N8FRV

YOUR HOME TOWN REPEATERS

Welcome to
W4LPL/*REPEATER*
"The Red Carpet Repeater"
Fayetteville, North Carolina
147.93/33
Proudly Serving our Community
and the best darn Hams in the world

THE SERA OFFICIAL REPEATER INDEX

COPYRIGHT SERA 1989. The Official SERA Coordinator's Repeater Index is copyrighted 1989, and the property of SouthEastern Repeater Association, Inc. the official Coordinating council for: Virginia, East Kentucky, North Carolina, South Carolina, West Virginia, Tennessee and Georgia.

Permission is hereby given without written consent to clubs, or individuals to publish any part of the SERA Repeater Index, providing: (1) Proper credit to SERA is given, and (2) The published vehicle is distributed FREE of charge.

No magazine or publication of any form, which is to be sold to the general Amateur public, for a break-even or profit basis, may use all or any portion of the SERA Repeater Index without explicit written permission of SERA. Permission must be obtained for each edition, or revised printing of such a publication. All other rights reserved.

SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings are those of the actual repeater owner or sponsor. We make every effort to keep the index as accurate as possible with information provided. The SERA Repeater lists contain certain repeaters which are NOT Coordinated, or not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by SERA.

Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

DISTRIBUTION OF REPEATERS BY FREQUENCY

The SERA By-State, By-City Index Appears After This By-Frequency Index

This by-frequency index contains repeaters in the States of: Virginia, North Carolina, South Carolina, Kentucky, Tennessee, West Virginia and Georgia.

2 METERS

4.51 /5.11	VTA	ATLANTA	GA
	TUN	AUGUSTA	GA
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	BOX	JACKSON	TN
	IJL	KNOXVILLE	TN
	ARK	NASHVLE/FAIRVIEW	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	SEX	NEWNAN	GA
	VLP	VALDOSTA/TIFTON	GA
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGES	SC
	CMY	CHATTANOOGA-RTTY	TN
	YGI	COLLIERVILLE	TN
	OAK	LAFOLLETTE	TN
	VL	GALAX/LKOUT MT	VA
	FHE	BUCKHANNON	WV
	JYR	MADISON	WV
4.55 /5.15	IWZ	PIKEVILLE	EKY
	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LI	MILLEDGEVILLE	GA
	UDS	MORENTN/HI PK	NC
	CVM	RANDLEMAN/GBO	NC
	LWY	SUMMERTON	SC
	RJC	DECATUR-PONE KB	TN
	JXI	MEMPHIS	TN
	ARO	PETERSBURG	VA
	FSE	MARTINSBURG	WV
4.57 /5.17	JBF	COOLIDGE	GA
	DIW	JONESBORO	GA
	ZQB	NEWTON/ANDSN MT	NC
	EKK	OXFORD	NC
	SK	LOUDON	TN
	BRN	MEMPHIS	TN
	LHO	MURFREESBORO	TN
	FRV	BOLT/BOLT MT	WV
4.49 /5.19	YJJ	RICHWOOD	WV
4.59 /5.19	IQT	BIRMINGHAM(AL)	GA
	GIS	CARTERSVILLE	GA
	ULJ	PINE MT/HAMILTON	GA
	BVW	MT MITCHELL	NC
	OTT	CARTHAGE	TN
	XX	JASPER	TN
	FAX	RICHMOND	VA
	YJJ	RICHWOOD	WV
	JGY	WHEELING	WV
4.61 /5.21	U	DEANE	EKY
	PSZ	TYRONE	GA
	ITL	TRENTON	NC
	NEP	GASTON	SC
	BBB	KNOXVILLE	TN
	CGD	NASHVILLE	TN
	MS	KILMARNOCK	VA
	QOJ	ROANOKE/POOR MT.	VA
	FEQ	HUNTINGTON	WV
4.63 /5.23	PPM	MIDDLESBORO	EKY
	COL	AUGUSTA/GRNS CUT	GA
	JEH	CONYERS	GA
	UJ	FORT MOUNTAIN	GA
	COL	WAYNESBORO	GA
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	DBB	BEDFD/APL ORCH	VA
	UMI	YORKTOWN	VA
4.65 /5.25	BLQ	CLAYTON	GA
	BZJ	DALTON	GA
	KQK	FOREST PARK	GA
	AZM	GREENSBORO/GLD H	NC
	URP	CHARLESTON	SC
	SBX	GRAY	TN
	DRL	MEM/FISHERVILLE	TN
4.67 /5.27	PN	WALESKA/PNLGMT	GA
	KNI	HENDSVL/BERWLW M	NC
	BEA	RALEIGH	NC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	DZJ	WIGGINS (MISS)	TN
	JCE	MANASSAS	VA
	OG	CRAIGSVILLE	WV
4.69 /5.29	ICN	PRESTONSBURG	EKY
	DRQ	ATLANTA	GA
	PL	LAWRENCEBURG	KY
	BFB	CHARLOTTE	NC
	ACP	MAYODAN	NC
	PPD	SHALLOTTE	NC
	VCM	CHATTANOOGA	TN
	SQC	HOLSTON MT/E TN	TN
	WF	NASHVILLE	TN
	NDH	CHESAPEAKE	VA
	FMD	CHARLESTON	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	ITL	ROANOKE RAPIDS	NC
	RFA	ROCK HILL	SC
	GRC	ATHENS	TN
	SC	JACKSON	TN
	FSC	ALEXANDRIA	VA
	BZS	LAYLAND/MANN MT	WV
4.73 /5.33	OGE	JONESBORO	GA
	J	MT AIRY/TRNR MT	NC
	DFP	BAMBERG	SC
	GMT	CUMBERLAND CITY	TN
	TEM	KNOXVILLE	TN
	QQI	FARMVILLE	VA
	QC	PARSONS	WV
	FR	WILLIAMSON	WV
4.75 /5.35	R	HARLAN	EKY
	DOC	ATLANTA	GA
	FGQ	ROSSVILLE	GA
	AOS	CHARLOTTE	NC
	GVK	GREENVILLE	NC
	Y	HUMBOLDT	TN
	JYD	NASHVILLE	TN
	AZJ	BLAND	VA
	AQD	FALLS CHURCH	VA
4.77 /5.37	UA	AUGUSTA	GA
	ACH	COLUMBUS-RTTY	GA
	IZF	JASPER	GA
	AGN	N. WILKESBORO	NC
	GRC	KNOXVILLE	TN
	OG	NASHVILLE	TN
	P	GLOUCESTER	VA
	FWL	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	NJ	MONROE/UCARS	NC
	AM	CHATTANOOGA	TN
	EPC	GREENEVILLE	TN
	DOR	HERMITAGE	TN
	VM	STANTONVILLE	TN
	ZIV	GALAX	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	PXX	BRUNSWICK	GA
	NON	COVINGTON	KY
	BKD	GLASGOW	KY
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	TUO	GREENEVILLE	TN
	VIP	MEMPHIS	TN
	FHE	BUCKHANNON	WV
	SLI	LIBERTY	WV
4.83 /5.43	LCI	ATLANTA/SWEAT MT	GA
	VBA	LINEVILLE(AL)	GA
	OLL	MACON	GA
	ITL	SPARTA/GREEN MT	NC
	LB	COLUMBIA	SC
	UCE	COOKEVILLE	TN
	IUA	KNOXVILLE	TN
	SQT	RICHMOND	VA
	WHQ	CHARLESTON	WV
	LG	MORGANTOWN	WV
4.85 /5.45	TX	LEXINGTON	EKY
	BOC	STONE MT	GA
	PLY	CROWDERS MT	NC
	WTX	DURHAM	NC
	GRW	NEWPORT	NC
	SIR	BENTON	TN
	KO	COLUMBIA	TN
	HAZ	MEMPHIS	TN
	E	SPRING HILL	TN
	SXZ	WELCH	WV
4.87 /5.47	WMM	WASHINGTON	EKY
	CLA	SWEAT MT/MARIETT	GA
	GIC	SAURATOWN MT	NC
	OXE	INMAN	SC
	GBI	KNOXVILLE	TN
	OMO	MOUNTAIN CITY	TN
	ARK	NASHVILLE	TN
	EFJ	ARLINGTON	VA
	FG	KINGSTON/LICK KB	WV
4.89 /5.49	JA	AUGUSTA	GA
	RWS	CORDELE	GA
	QPL	MARIETTA	GA
	CWF	NICHOLASVILLE	KY
	ZCZ	FRANKLIN	NC
	CBI	RALEIGH	NC
	ABW	RKY RDG/WALLACE	SC
	KKO	MCMINVL/SHT MT	TN
	KOG	MEMPHIS	TN
	MOP	BLUEFIELD	VA
	OHX	NEWPORT NEWS	VA
	MOP	BLUEFIELD	WV
6.895/6.295	T	HARTWELL	GA
6.01 /6.61	MLE	COLUMBUS	GA
	BDP	WARNER ROBINS	GA
	SNI	GREENSBORO	NC
	JMS	NEW BERN	NC
	GY	CHELSEA	SC
	NYK	GRNVLE/CSRS HD	SC
	CMY	CHATTANOOGA	TN
	D	LAUREL (MISS)	TN
	PCD	NASHVILLE	TN
	LSP	ABINGDN/BRMLY MT	VA
	GSP	CHESAPEAKE	VA
	WWQ	LYNCHBURG	VA
	MZI	GASSAWAY	WV
6.025/6.625	UPE	UNION CITY	GA
	JWP	VIDALIA	GA
	QWK	LAURINBURG	NC
	GBI	KNOXVILLE	TN
	ZQX	MARTIN	TN
	AVW	NEW MARKET	VA
	BZS	FLAT TOP/WINTERP	WV
6.04 /6.64	YZY	PINEVILLE	EKY
	LWT	AUGUSTA	GA
	FWD	CARROLLTON	GA
	GVG	WAYCROSS	GA
	YAO	HENDERSONVILLE	NC
	DW	RALEIGH	NC
	GIC	WINSTON-SALEM	NC
	FIQ	SUMTER	SC
	RX	CROSSVILLE	TN
	KQQ	MEMPHIS	TN
	NTM	NASHVILLE	TN
	WIC	FINCASTLE	VA
	IH	MARION	VA
	QEY	RICHMOND	VA
	EZR	HUNTINGTON/CHAS	WV
6.055/6.655	NFP	ATLANTA/MARIETTA	GA
	CEB	CONCORD/KANNAP.	NC
	VTX	ELIZABETH CITY	NC
	ABU	BROWNSVILLE	TN
	F	CHATT/SIGNAL MT	TN
	PDP	ALEXANDRIA	VA
	ISI	ALTAVISTA	VA
6.06 /6.66	BKM	MACON	GA

This Index Continues on Next Page.

SERA Suggested FM Simplex

146.490 146.505 146.520 146.535 146.550
146.575 146.580 146.595 147.510 147.525
147.540 147.555 147.570 147.585
223.50 or up and down 20 khz channels
446.00 or up and down 25 khz channels

SERA Suggested Digital Simplex

145.01 145.05 145.07 145.09 145.61
145.63 145.65 145.67 145.69
221.05 221.15 221.25 221.35 221.45
223.40 223.42 223.58

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

PLEASE NOTE!

A column with letters of the alphabet between the frequency and city columns indicate suffixes of the repeater callsigns.

REPEATERS BY FREQUENCY CONTINUED

6.07 /6.67	VHF	HAZARD	EKY
	NSO	GAINESVILLE	GA
	EQL	JESUP	GA
	YGD	BURLINGTON	NC
	BKU	CHERRY MT	NC
	SJ	HALIFAX	NC
	ILW	BRISTOL	TN
	DWU	ELLISVILLE(MISS)	TN
	BGW	LAFOLLETTE/WMT	TN
	NTM	NASHVILLE S.W.	TN
	HZS	BARREN SPRINGS	VA
	ZR	LEXINGTON	VA
	NTG	WILLIAMSBURG	VA
	JNU	RAVENSWOOD	WV
6.08 /6.68	IQT	LEEDS(AL)	GA
6.085/6.685	IWL	ADAIRSVILLE	GA
	UWN	FAYETTEVILLE	GA
	NBR	GRIFTON	NC
	O	STATESVILLE	NC
	CO	NEWBERRY	SC
	PIO	LENOIR CITY	TN
	Q	WAVERLY	TN
	HTA	VIENNA	VA
	FMD	CLARKSBURG	WV
6.10 /6.70	JO	GRAYSON	EKY
	MM	ALBANY	GA
	DOJ	ATLANTA, NORTH	GA
	OOM	JASPER	GA
	NLX	SAVANNAH	GA
	CID	DUNN	NC
	PAX	LANCASTER	SC
	UOT	MANCHESTER	TN
	UFT	MEMPHIS	TN
	YGM	UNION CITY	TN
	WQS	DANVILLE/WHT OAK	VA
	OVC	JONESVILLE	VA
	D	NORFOLK	VA
	LQC	PENNINGTON GAP	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	ABZ	RINGGOLD	GA
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	I	BLACKSBURG	VA
	TXE	STERLING	VA
	GL	SHERRARD	WV
6.13 /6.73	SWF	LOUISA	EKY
	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	QHN	PHENIX CITY (AL)	GA
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
	DAZ	MEMPHIS	TN
	WA	WATERTOWN	TN
	DHO	HAMPTON	VA
	AVZ	ALDERSON	WV
6.145/6.745	BKF	ATHENS	GA
	N	DILLON/PEE DEE	SC
	HF	DYERSBURG	TN
	DY	ROANOKE/POOR MT	VA
	FMD	ELK GARDEN	WV
6.16 /6.76	BOC	ATLANTA/STONE MT	GA
	APS	VALDOSTA	GA
	BVW	ASHVL/MT PISGAH	NC
	MSS	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ILT	CHARLESTON	SC
	PTC	FT JACKSON	SC
	LSP	BRISTOL/HLSTN MT	TN
	YTU	BROWNSVILLE	TN
	PQP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	ZIN	WILLIAMSBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
	JDH	WHEELING	WV
6.175/6.775	KE	MARIETTA	GA
	OCB	WRENS	GA
	BFB	CHARLOTTE/RTTY	NC
	JVO	PULASKI/MUSIC MT	TN
	MUQ	WYTHEVILLE	VA
6.19 /6.79	U	PAINTSVILLE	EKY
	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	LZD	CLINTON	NC
	QDK	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	ILT	CHARLESTON	SC
	AM	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	SQE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	LBL	FAIRFAX	VA
	CFT	OAK HILL	WV
6.205/6.805	NNE	GUTHRIE	EKY
	LT	MILLEDGEVILLE	GA
	EWG	FAYETTEVILLE	NC
	NOQ	GASTONIA	NC
	NNE	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	AQS	CALHOUN	GA
	AQS	JASPER/MT OGLTHP	GA
	HCY	MAGGIE VALLEY	NC
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	HAO	LYONS	GA
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	U	ST. MATTHEWS	SC
	OAH	LAKE CITY	TN
	BS	MEMPHIS	TN
	NCM	WINCHESTER	TN
	RKC	WINCHESTER	VA
	IFS	CHARLESTON	WV
6.235/6.835	OCB	THOMPSON	GA
	QCO	ASHEVILLE	NC
	JXG	NAGS HEAD/BODIE	NC
	IAT	WADESBORO	NC
	DCX	GRUNDY/BIG A MT	VA
7.435/6.835	BPV	HIGH POINT	NC
6.25 /6.85	IXA	PIKEVILLE	EKY
	DVJ	DALLAS	GA
	R	LAGRANGE	GA
	HON	WARNER ROBINS	GA
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YFT	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/COVE MTN	TN
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	POX	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	BO	BECKLEY/FLAT TOP	WV
	L	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	YF	BIG KNOB/GREY CT	SC
	G	FAYETTEVILLE	TN
7.465/6.865	ZRS	WAXHAW	NC
	MZ	MOUNTAIN LAKE	VA
6.28 /6.88	U	MAYTOWN	EKY
	AGO	COLUMBUS	GA
	YFR	MARIETTA	GA
	NKL	QUITMAN	GA
	HBB	SAVANNAH	GA
	ITL	RALEIGH	NC
	NYR	SHELBY	NC
	AVU	COLUMBIA	SC
	CYZ	BRISTOL	TN
	ETE	MEMPHIS	TN
	TOA	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	CQV	CHARLESTON	WV
6.295/6.895	YFF	MADISON	NC
	KXV	VIRGINIA BEACH	VA
6.30 /6.90	ACN	JASPER(AL)	GA
	SP	FAIRMONT	WV
6.31 /6.91	GFY	MOREHEAD	EKY
	FOW	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	ZGQ	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	GZX	CLEVELAND	TN
	DQU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	CHASE CITY	VA
	TUE	MT. LK/BALD KNB	VA
	FMD	TYSONS CORNER	VA
	ULB	MCMECHEN	WV
6.325/6.925	ASI	COVINGTON	GA
	TFZ	CHARLOTTESVILLE	VA
	GJG	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	SN	ASHLAND	EKY
	N	AUGUSTA	GA
	VO	ROME/MT. ALTO	GA
	RVB	WRIGHTSVILLE	GA
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	ACY	MANTEO/WANCHESE	NC
	ZAS	MT AIRY-RTTY	NC
	IQQ	GREENVILLE	SC
	GBI	KNOXVILLE	TN
	BN	MEMPHIS	TN
	PCD	NASHVILLE	TN
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	AP	ROANOKE	VA
	CSW	NEW MARTINSVILLE	WV
	VKB	SUMMERSVILLE	WV
	JN	WEIRTON	WV
7.54 /6.94	CSW	NEW MARTINSVLLE	WV
6.355/6.955	KIN	PERRY	GA
	PRE	ROCKY TOP MT	GA
	ULA	ROCKINGHAM	NC
	MZ	ONEIDA PEAK/BLF	VA
6.37 /6.97	OD	ATLANTA	GA
	HBB	SAVANNAH	GA
	ZAS	MT AIRY	NC
	JQ	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	BEZ	MEDINA	TN
	SKH	OAK RIDGE	TN
	FPM	MANASSAS	VA
	WRN	MIDDLEBROOK	VA
	KXV	VIRGINIA BEACH	VA
	E	LOGAN/WARD RK MT	WV
	CRW	PARKERSBURG	WV
6.38 /6.98	BEJ	ELIZABETHTOWN	KY
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY/TALONA M	GA
	TOV	PRESTON	GA
	UUB	ST. MARYS	GA
	OGB	ALBEMARLE	NC
	PVE	MARION	NC
	ESG	MT PLEASANT	SC
	CA	ROANOKE/POOR MT	VA
6.40 /7.00	NNO	ATLANTA	GA
	AZA	HIGH POINT	NC
	FVO	JACKSONVILLE	NC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	FZJ	MEMPHIS	TN
	HMT	SUFFOLK/GASBURG	VA
	GDY	ST ALBANS	WV
7.60 /7.00	WAU	ELKHORN CITY	EKY
	DXZ	LANETT(AL)	GA
	LR	SHELBYVILLE	KY
	KMG	BLOUNTVILLE	TN
	ZOK	CHATT/SIGNAL MT	TN
	SGA	CLARKSVILLE	TN
	ZR	TERRA ALTA	WV
6.415/7.015	M	LYNCHBURG	VA
7.615/7.015	MST	BONAIRE	GA
	FOW	CLEVELAND/LONG	GA
	UM	HINESVILLE	GA
	KPF	LK NORMN/CLT	NC
	UMU	SUMTER	SC
	JVV	LEBANON	TN
	RHV	ROCKWOOD	TN
	YGM	UNION CITY	TN
	LNT	FREDRICKSBURG	VA
6.43 /7.03	YTZ	ROCK HILL	SC
	MVR	LEXINGTON	TN
	ZJM	MEMPHIS	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	GG	GREENSBORO	NC
	DTS	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	HOG	N. MYRTLE BEACH	SC
	NIQ	FAYETTEVILLE	TN
	ODR	MILLINGTON	TN
	PRQ	MORRISTOWN	TN
	BLD	WAYNESBORO	VA
	IT	MULLENS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
6.445/7.045	FLR	FAYETTEVILLE	NC
	CNS	ROB/JOANNA BLD	NC
	YVM	ARLINGTON	VA
7.645/7.045	TYM	METTER	GA
	FAD	OCONEE	GA
	JRL	STATSVL/ASBRY MT	NC
	HKZ	COOKEVILLE	TN
	AYN	NASHVILLE	TN
	RAG	STAUNTON/EL. KB	VA
	SBC	VIRGINIA BEACH	VA
6.46 /7.06	CQ	CHARLOTTE	NC
	LBM	VOLENS	VA
	WL	PRINCETON	WV
7.66 /7.06	DDI	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	LED	MACO	NC
	VFR	SUMTER/SHAW	SC
	LYF	GRNVLE/GRYSTN	TN
	MQQ	MEMPHIS	TN
	QEB	SHELBYVILLE	TN
	ECM	CHESTERFLD CO	VA
	KNM	POINT PLEASANT	WV
7.67 /7.07	NMC	LOUISVILLE	KY
6.475/7.075	VGZ	BURLINGTON	NC
7.675/7.075	JXR	SNELLVILLE	GA
	HBQ	BURLINGTON	NC
	L	NEWTON	NC
	GBI	KNOXVILLE	TN
	PNT	WAYNSBR/BEAR DEN	VA
7.69 /7.09	YK	PHELPS	EKY
	CVE	ST SIMONS ISL	GA
	GDF	GREENVL/ESTN NC	NC
	RDN	ORANGEBURG	SC
	JLA	SPARTANBURG	SC
	ATI	GERMANTON	TN
	BSA	SPARTA/BON AIR	TN
	VL	GALAX/BRIRP MT	VA
7.705/7.105	YSB	ATLANTA	GA
	D	STATESBORO	GA
	JCK	MONROE	NC
	GHH	MOUNTAIN HOME	NC
	TC	HENDERSON	TN
	JBJ	BEDFORD	VA
	VNQ	MT STORM	WV
	APG	SPENCER	WV
6.09 /7.11	LZR	LOGAN	WV
7.72 /7.12	ASZ	WINCHESTER	EKY
	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	REW	GAST/SPCR MT	NC
	IKY	GIBSONVILLE	NC
	EWL	ROCKY MOUNT	NC
	JMT	MYRTLE BEACH	SC
	GMV	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	FAF	CULPEPPER	VA
	DKM	BRIDGEPORT	WV
	H	HORSEPEN MT	WV
7.735/7.135	BZJ	DALTON	GA
	JFE	VALDOSTA	GA
	CJS	BREVARD/RICH MTN	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.75 /7.15	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	VLY	MORGANTON	NC
	ITL	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	QKH	TAZEWELL	VA
	SVR	ST ALBANS	WV
7.765/7.165	MWA	DOG FORK MT	EKY
	TCU	DOUGLAS	GA
	RIS	HIGH POINT	NC
	VIA	GREENWOOD	SC
	CEX	PURYEAR	TN
	CTF	NEWPORT NEWS	VA
	FJT	WARRENTON	VA
7.78 /7.18	BMA	AUGUSTA	GA
	NHW	BALDWIN	GA
	BI	SYCAMORE	GA
	EJJ	SANFORD	NC
	CTJ	WILMINGTON	NC
	NAT	DORCHESTER	SC
	SC	FT MILL/CAROWND	SC
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	DES	POLK CTY/OSWALD	TN
	KAF	PETERSBURG	VA
	Z	PKS KB/PULASKI	VA
	NMT	LEON	WV

This Index Continues on Next Page.

REPEATERS BY FREQUENCY

7.795/7.195	SMX	ATLANTA	GA
	RD	CAIRO	GA
	NIN	LENOIR	NC
	WB	MURPHY	NC
	RTS	LYNCHBURG	VA
7.81 /7.21	SG	CONYERS	GA
	LN	DALTON	GA
	NLX	SAVANNAH	GA
	BUZ	GREENSBORO	NC
	MSD	WHITEVILLE	NC
	AVU	LITTLE MT.	SC
	WS	COOKEVILLE	TN
	WKZ	JACKSON	TN
	IWG	MCLEAN	VA
	AXO	WISE/HIGH KNOB	VA
	TC	CHARLESTON	WV
7.825/7.225	ZUN	JEFFERSON	GA
	LVY	SUMMERVILLE	GA
	WTX	HILLSBOROUGH	NC
	DTW	SANTEE	SC
	OAH	MORRISTOWN	TN
	C	HARRISONBURG	VA
	SDC	YORKTOWN	VA
7.84 /7.24	DII	ASHLAND	EKY
	NFG	IRWINTON	GA
	NIW	CARTHAGE	NC
	ACP	EDEN	NC
	BKU	FOREST CITY	NC
	GHZ	FRANKLIN	NC
	BAL	HILTON HEAD	SC
	AC	LANCASTER	SC
	BKY	GALLATIN	TN
	OG	LUNENBURG	VA
	OG	LUNENBURG CT.HSE	VA
	FQR	WOODBRIDGE	VA
7.855/7.255	KDT	ATLANTA	GA
	AV	ASHEBORO	NC
	KNI	HENDSVL/PENIC/MT	NC
	SI	PETROS	TN
	TVS	ACCOMAC	VA
	CYZ	DANTE	VA
	VAZ	MARTINSBURG	WV
7.885/7.255	BZU	DONELSON	TN
7.87 /7.27	GEL	PIKEVILLE	EKY
	VBH	AMERICUS	GA
	H	BENSON	NC
	SM	WAYNESVILLE	NC
	LET	CHARLESTON	SC
	JRJ	SENECA/LONG MT	SC
	BKY	GALLATIN	TN
	FH	JOHNSON CITY	TN
	OWI	MEMPHIS	TN
	TMC	PINSON	TN
	GX	GUM SPRING	VA
	SLI	SCOTT DEPOT/COAL	WV
7.885/7.285	EVD	ASHBURN	GA
	VBX	ATLANTA/GPCO	GA
	ADM	AIKEN	SC
	DCD	MYT BEA/BRKSVLLE	SC
	MGM	ROCKY SPUR	SC
	MJM	PIKEVILLE	TN
	L	MARTINSVILLE	VA
	HON	SPRUCE KNOB	WV
7.90 /7.30	U	SALYERSVILLE	EKY
	ACY	PERRY	GA
	HNM	ROME	GA
	YJG	JEFFERSON	NC
	MZP	RED SPRINGS	NC
	OMV	TUCKASEGEE	NC
	LWS	MT. PLEASANT	SC
	BBB	KNOXVILLE	TN
	ADT	MEMPHIS	TN
	ZSA	NASHVILLE	TN
	SPS	FRANKLIN	VA
	ZR	LEXINGTON	VA
	TSC	WINCH/BLUEMONT	VA
	NSL	HARRISVL/PENSBRO	WV
7.915/7.315	REB	TWIN CITY	GA
	RBW	WALKERTOWN	NC
	HFH	ALEXANDRIA	VA
	MR	CLARKSBURG	WV
7.92 /7.32	HWQ	GRUNDY	VA
7.93 /7.33	KWH	ASHLAND	EKY
	KNE	MT. STERLING	EKY
	BXO	LAGRANGE	GA
	DIP	TOCCOA	GA
	LPL	FAYVLLE/FT BRAGG	NC
	K	LENOIR/HIBRITN	NC
	NUY	COLUMBIA	SC
	CV	CROSSVILLE	TN
	AJS	NASHVILLE	TN
	PQD	LEXNGTN/ROCK MT.	VA
	ZIP	WARSAW	VA
7.94 /7.34	NEQ	ATLANTA/MARIETTA	GA
7.945/7.345	IZD	LYNCH/BLACK MT	EKY
	NYR	SHELBY	NC
	TEP	WASHINGTON	NC
	WF	HENDERSONVILLE	TN
	RUA	FRANKLIN	WV
	K	LOGAN	WV
	K	LOGAN/SUMERCO	WV
7.96 /7.36	EO	DOUGLASVILLE	GA
	HZX	DUBLIN	GA
	KDE	BOONE/RICH MTN	NC
	LDB	DURHAM	NC
	Z	LUMBERTON	NC
	OAK	KNXVL/CROSS MT	TN
	MMI	MEMPHIS	TN
	NTM	NASHVILLE S.	TN
	KLX	PARIS	TN
	MMI	POCAHONTAS	TN
	CBB	CHESTERFIELD	VA
	OLM	STUARTS DRAFT	VA
7.975/7.375	TQU	ATHENS	GA
	VEK	LAFAYETTE	GA
	YN	BURNSVILLE	NC
	ROK	GREENVILLE	NC
	DMI	GEORGETOWN	SC
	LEO	GREENVILLE	SC
	BTJ	HILLSVILLE	VA
	ILD	LYNCHBURG	VA
	NV	VIRGINIA BEACH	VA
	LNB	GRAFTON	WV
	WMX	ST ALBANS	WV
7.99 /7.39	PDJ	JENKINS	EKY
	IMK	THOMASTON	GA
	NON	COVINGTON	KY
	NS	CUSTER	KY
	CHZ	AQUADALE	NC
	PLY	CHARLOTTE	NC
	QBG	EDEN/STONEVILLE	NC
	FAU	SHALLOTTE	NC
	FEC	LEXINGTON	SC
	TA	CLARKSVILLE	TN
	DRL	COVINGTON	TN
	ZLA	DAYTON/RHEA CTY	TN
	SBX	GRAY	TN
	AJO	MADISON	VA
	ARO	PETERSBURG	VA
	LLM	UNION	WV
6.835/7.435	EV	DALONEGA	GA
6.19 /7.51	HBY	MEMPHIS	TN
7.315/7.915	SPJ	FORSYTH	GA

220 MHZ

3.94 /2.34	DBB	BEDFD/APL ORCH	VA
3.50 /3.50	TFZ	CHARLOTTESVILLE	VA
2.12 /3.72	KHP	STERLING PK	VA
2.14 /3.74	VMI	LEXINGTON	KY
2.30 /3.90	NSO	GAINESVILLE	GA
	RAB	HERMITAGE	TN
2.32 /3.92	AZA	HIGH POINT	NC
2.34 /3.94	QK	ASHLAND	EKY
	UPC	YORKVILLE	GA
	BVW	ASHVL/MT PISGAH	NC
	WTX	HILLSBOROUGH	NC
	GP	CLARKSVILLE	TN
	ZJM	MEMPHS/FRAYSER	TN
2.36 /3.96	C	ROCKY MOUNT	NC
2.38 /3.98	APS	VALDOSTA	GA
	HUV	LINWOOD	NC
	ILY	GREER	SC
	ZSA	GALLATIN	TN
2.40 /4.00	ZIA	LOCUST	NC
	HQ	DELTAVILLE	VA
2.42 /4.02	JEH	CONYERS	GA
	EHF	FAYETTEVILLE	NC
	MDW	HICKORY	NC
	TB	NASHVILLE	TN
2.44 /4.04	BZJ	DALTON	GA
2.46 /4.06	UPC	YORKVILLE	GA
	N	PICKENS/SASFR MT	SC
	BZS	FLT TP/WNTRPLACE	WV
2.48 /4.08	GIS	CARTERSVILLE	GA
	CII	RIDGEVILLE	SC
	UEX	NASHVILLE	TN
2.50 /4.10	F	CORNELIA	GA
	YHD	FAIRFAX	VA
	DBB	ROANOKE	VA
2.52 /4.12	NFP	ATLANTA/MARIETTA	GA
	FEC	LITTLE MT	SC
	MEY	NASHVILLE	TN
2.54 /4.14	WOR	GREENSBORO	NC
	QHF	PICKENS/CSRS HD	SC
	SGS	FRANKLIN	TN
	YYW	WILLIAMSON	WV
2.56 /4.16	K	LENOIR/HIBRITN	NC
2.58 /4.18	YNY	RIEGELWOOD	NC
	DAS	VIRGINIA BEACH	VA
2.60 /4.20	UA	AUGUSTA	GA
	YTU	BROWNSVILLE	TN
	PEA	HAMPDEN-SYDNEY	VA
2.62 /4.22	ACP	MAYODAN MT	NC
	AWB	NASHVILLE	TN
2.64 /4.24	KNI	HENDSVL/BERWLW M	NC
2.66 /4.26	NP	SHORT MTN.	TN
2.68 /4.28	BLR	ATLANTA	GA
	M	LYNCHBURG	VA
2.70 /4.30	PVI	STATESVILLE	NC
2.72 /4.32	JBF	THOMASVILLE	GA
	TEM	KNOXVILLE	TN
2.74 /4.34	DOC	ATLANTA	GA
	DFH	FRIES/SAND MTN	VA
2.76 /4.36	TYO	MARSHALL	NC
2.78 /4.38	RBT	CLEVELAND	GA
	GJG	DANVILLE	VA
2.80 /4.40	ZC	CHARLT/MINT HL	NC
	YGI	COLLIERVILLE	TN
2.82 /4.42	BS	MEMPHIS	TN
	NDQ	NORTON/HIGH KB	VA
2.84 /4.44	OG	NASHVILLE	TN
2.86 /4.46	YON	KNOXVILLE	TN
2.90 /4.50	YNY	WILMINGTON	NC
	BBB	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	BVI	MARTINSVILLE	VA
2.92 /4.52	KSM	CANTON	GA
2.94 /4.54	BVW	MT MITCHELL	NC
2.96 /4.56	DOC	ATL/CHESTNUT MT	GA
2.98 /4.58	F	PIKEVILLE	EKY
	YHH	SAURATOWN MT	NC
	VFD	CROSS	SC
3.00 /4.60	N	ASHEVILLE	NC
	NNR	HIGH POINT	NC
3.02 /4.62	ETG	PIKEVILLE	EKY
	ZTL	ATLANTA/BELL	GA
3.04 /4.64	PEN	RALEIGH	NC
	YHH	WINSTON-SALEM	NC
	MQG	CHATTANOOGA	TN
3.06 /4.66	BKM	MACON	GA
	TYO	MARS HILL	NC
	MEY	NASHVILLE	TN
3.08 /4.68	KPF	LK NORMN/CLT	NC
3.18 /4.68	SLJ	DALTON	GA
3.10 /4.70	IOR	ATLANTA	GA
	RXG	SAURATOWN MT	NC
3.12 /4.72	MSK	MT. TOXAWAY	NC
	KHP	TYSONS CORNER	VA
3.14 /4.74	KVC	DALTON	GA
	FG	KINGSTON/LICK KB	WV
3.16 /4.76	BOC	STONE MT	GA
	EXU	SALISBURY	NC
	OAK	DAN/WHT OAK	VA
3.18 /4.78	VCM	CHATTANOOGA	TN
	UCI	JOHNSON CITY	TN
	KOG	MEMPHIS	TN
3.20 /4.80	PML	MORGANTON	NC
3.22 /4.82	C	ATLANTA	GA
	KQI	GREENSBORO	NC
	CCF	ALEXANDRIA	VA
3.24 /4.84	ACY	PERRY	GA
	DAN	GRIFTON	NC
	OG	NASHVILLE	TN
	PLV	BEDFORD	VA
3.26 /4.86	UHA	NEWPORT NEWS	VA
3.28 /4.88	RXG	SAURATOWN MT	NC
	DRL	FISHERVILLE	TN
3.30 /4.90	QPL	MARIETTA	GA
	EOY	COLUMBIA	SC
	ZOK	CHATT/SIGNAL MT	TN
3.34 /4,94	UPC	PINE LOG MT.	GA
	EV	ROSSVILLE	GA
	NKM	GREENEVILLE	TN
	GVC	CHESAPEAKE	VA
	DBB	ROANOKE/POOR MTN	VA
3.36 /4.96	UDS	CHERRYVILLE	NC
	JVX	GOLDSBORO	NC
	WTB	SAURATOWN MT	NC
	OLM	STUARTS DRAFT	VA
3.38 /4.98	JSR	CUMMING/SAWNEE	GA
	CHP	FALLS CHURCH	VA

440 MHZ

9.45 /5.67	DOC	ATLANTA	GA
9.25 /1.25	KIP	ATLANTA	GA
	PXX	BRUNSWICK	GA
	HUV	SAURATOWN MT	NC
	GUP	LEXINGTON	SC
	ERU	MEMPHIS	TN
	O	MOUNDSVILLE	WV
9.250/1.250	TPI	PULASKI	TN
9.25 /3.25	UMU	SUMTER	SC
	WIN	NORFOLK	VA
	NOJ	WAYNESBORO	VA
	MM	ALBANY	GA
	NYR	SHELBY	NC
1.25 /9.25	ERU	MEMPHIS	TN
7.00 /2.00	IH	MARION	VA
	CSG	WINCHESTER	VA
7.025/2.025	JA	AUGUSTA	GA
	PML	MORGANTON	NC
7.05 /2.05	DXZ	LANETT(AL)	GA
	XV	JASPER	TN
	BEZ	MEDINA	TN
7.10 /2.10	ACP	MAYODAN	NC
	ABJ	MILAN	TN
7.15 /2.15	BEA	RALEIGH	NC
7.150/2.150	TPI	PULASKI	TN
7.175/2.175	EO	ROCKY FACE	GA
	YUY	ROANOKE	VA
7.20 /2.20	APR	DECATUR	GA
	BJY	OAKFIELD	TN
	LNB	GRAFTON	WV
7.25 /2.25	HTI	COVINGTON	VA
7.275/2.275	VTT	MACON	GA
7.30 /2.30	VFD	CROSS	SC
7.325/2.325	JSR	CHATTANOOGA	TN
7.40 /2.40	ZUS	PICKENS/CSRS HD	SC
7.50 /2.50	MLF	LOUISVILLE	KY
	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.500/2.500	YNY	WILMINGTON	NC
7.55 /2.55	JEH	CONYERS	GA
7.625/2.625	EPG	MEMPHIS	TN
7.70 /2.70	AZU	SAVANNAH	GA
	VG	ROANOKE	VA
7.80 /2.80	EPG	JACKSON	TN
7.825/2.825	G	MEMPHIS	TN
7.90 /2.90	AZA	HIGH POINT	NC
7.925/2.925	ASI	COVINGTON	GA
7.95 /2.95	FU	LYNCHBURG	VA
8.00 /3.00	EO	CHATSWORTH	GA
	LUR	LAKE CITY/CRS MT	TN
	ZJM	MEMPHIS	TN
	VL	GALAX/PT LOOKOUT	VA
8.05 /3.05	JVX	GOLDSBORO	NC
	PVB	MT JULIET	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	EKY
	GGC	SAURATOWN MT	NC
	N	GRNVLE/PARIS MT	SC
	G	FAYETTEVILLE	TN
	FHE	BUCKHANNON	WV
8.15 /3.15	S	AUGUSTA	GA
8.20 /3.20	CLA	SWEAT MT	GA
8.30 /3.30	KQI	STATESVILLE	NC
	KJH	GATLBG/COVE MT	TN
8.40 /3.40	GMT	CUMBERLAND CITY	TN
	QWW	MEMPHIS	TN
8.425/3.425	SQC	J.CITY/HOLSTN MT	TN
8.45 /3.45	VEK	HIGH PT/LOOKT MT	GA
8.50 /3.50	LVH	ATLANTA	GA
	PQZ	GREENSBORO	NC
	X	LAUREL (MS)	TN
	WKS	PARIS/GROVE HL	TN
	GUS	TYSONS CORNER	VA
8.55 /3.55	LVH	ATLANTA/SE	GA
	XE	ROARING GAP	NC
8.60 /3.60	BA	MARIETTA	GA
	DWU	MT MITCHELL	NC
8.625/3.625	PTK	JAMESTOWN	TN
8.65 /3.65	ZV	ATLANTA	GA
	UMI	HAMPTON	VA
8.70 /3.70	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
8.75 /3.75	TF	COVINGTON	GA
	EDS	ALAMO	TN
	WIC	WINDY GAP MT	VA
8.80 /3.80	OKS	JASPER/BIG BUCK	GA
	HNK	SUMMERVILLE	SC
	NDH	CHESAPEAKE	VA
	VA	INDEPENDNCE HILL	VA
	JRL	WYTHEVILLE	VA
8.85 /3.85	PN	WALESKA/PNLOG MT	GA
	IDB	FRANKLIN	TN
8.875/3.875	LZQ	CAESARS HEAD	SC
8.90 /3.90	GWA	GRIFFIN	GA
	YTU	BROWNSVILLE	TN
	EVG	CHESAPEAKE	VA
8.925/3.925	IU	RINGGOLD	GA
8.95 /3.95	NTG	WILLIAMSBURG	VA
8.975/3.975	BRN	MEMPHIS	TN

This Index Concludes at Bottom of Next Page.

SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	☆	PA
ALBEMARLE	K4OGB	146.385	146.985	☆	A
AQUADALE	WA4CHZ	147.99	147.39	☆	
ASHEBORO	KJ4AV	147.855	147.255	☆	PAL
ASHEVILLE	WA4QCO	146.235	146.835	☆	
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	☆	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	☆	A
BENSON	AK4H	147.87	147.27	D	A
BOONE/RICH MTN	WA4KDE	147.96	147.36	D	
BREVARD/RICH MTN	WB4CJS	147.735	147.135	☆	A
BURGAW	W4DLH	146.34	146.94	☆	
BURLINGTON	WA4YGD	146.07	146.67	☆	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	☆	PA
CHARLOTTE	W4BFB	144.63	145.23	N	
CHARLOTTE	W4BFB	144.69	145.29	N	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	N	A
CHARLOTTE	W4CQ	146.46	147.06	D	A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHARLOTTE/RTTY	W4BFB	146.175	146.775	N	R
CHERRY MT	WA4BKU	146.07	146.67	N	
CLINTON	WA4LZD	146.19	146.79	N	
CONCORD/KANNAP.	K4CEB	146.055	146.655	☆	PA
CROWDERS MT	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	☆	PA
DURHAM	WA4WTX	144.85	145.45	D	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	☆	
EDEN	WA4ACP	147.84	147.24	☆	T
EDEN/STONEVILLE	WA4QBG	147.99	147.39	☆	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	☆	
FAYETTEVILLE	WA4FLR	146.445	147.045	D	R
FAYVLLE/CFARS	WB4YZF	146.31	146.91	D	PA
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	☆	
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	W4ZCZ	144.89	145.49	☆	
FRANKLIN	W4GHZ	147.84	147.24	☆	
GAST/SPCR MT	W4REW	147.72	147.12	N	A
GASTONIA	K4NOQ	146.205	146.805	☆	PA
GIBSONVILLE	WB4IKY	147.72	147.12	☆	ARB
GOLDSBORO	K4CYP	146.25	146.85	☆	A
GREENSBORO	K4SNI	146.01	146.61	☆	A
GREENSBORO	WA4MSS	146.16	146.76	☆	
GREENSBORO	W4GG	147.63	147.03	☆	PAL
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENSBORO/GLD H	N4AZM	144.65	145.25	D	A
GREENVILLE	N4GVK	144.75	145.35	☆	L
GREENVILLE	K4ROK	147.975	147.375	☆	A
GREENVL/ESTN NC	W4GDF	147.69	147.09	D	
GRIFTON	W4NBR	146.085	146.685	☆	
HALIFAX	AA4SJ	146.07	146.67	N	A
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	☆	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	☆	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH POINT	N4XO	144.81	145.41	N	AO
HIGH POINT	K4AZA	146.40	147.00	☆	LA
HIGH POINT	KB4BPV	147.435	146.835	D	PAL
HIGH POINT	WA4RIS	147.765	147.165	☆	PA
HILLSBOROUGH	WA4WTX	147.825	147.225	D	AL
JACKSONVILLE	WD4FVO	146.40	147.00	☆	A
JEFFERSON	W4YJG	147.90	147.30	☆	A
LAURINBURG	K4QWK	146.025	146.625	☆	A
LENOIR	N4NIN	147.795	147.195	☆	
LENOIR/HIBRITN	KN4K	147.93	147.33	☆	
LEXINGTON	K4IZM	146.31	146.91	D	EA
LK NORMN/CLT	WB4KPF	147.615	147.015	D	PA
LUMBERTON	WV4Z	147.96	147.36	☆	PA
MACO	WA4LED	147.66	147.06	☆	PA
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	☆	
MANTEO/WANCHESE	W4ACY	146.34	146.94	☆	
MARION	WD4PVE	146.385	146.985	D	A
MAYODAN	WA4ACP	144.69	145.29	☆	
MILLERS CREEK	N4GGN	146.115	146.715	☆	A
MONROE	K4JCK	147.705	147.105	☆	A
MONROE/UCARS	KF4NJ	144.79	145.39	☆	PA
MORENTN/HI PK	WB4UDS	144.55	145.15	N	
MORGANTON	K4VLY	147.75	147.15	☆	
MOUNTAIN HOME	K4GHH	147.705	147.105	☆	
MT AIRY	WA4ZAS	146.37	146.97	N	EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94	N	R
MT AIRY/TRNR MT	KD4J	144.73	145.33	N	A
MT MITCHELL	WA4BVW	144.59	145.19	☆	
MURPHY	KC4WB	147.795	147.195	N	
N. WILKESBORO	N4AGN	144.77	145.37	☆	PA
NAGS HEAD/BODIE	N4JXG	146.235	146.835	☆	PA
NEW BERN	WD4JMS	146.01	146.61	☆	AL
NEWPORT	K4GRW	144.85	145.45	N	AL
NEWTON	AG4L	147.675	147.075	☆	A
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	N	
OXFORD	N4EKK	144.57	145.17	D	PA

This SERA Official Repeater Index Is Correct As of January 30, 1989

DISTRIBUTION OF REPEATERS BY FREQUENCY

9.00 /4.00	QDX	LAWRENCEVILLE	GA
	VBA	LINEVILLE (AL)	GA
	JEQ	HICKORY	NC
	ADT	MEMPHIS	TN
	NEI	ROCKWOOD	TN
	IT	MULLENS/HRNDN MT	WV
9.025/4.025	MSE	STONE MT	GA
	RDK	MEMPHIS	TN
9.05 /4.05	PQD	MARIETTA	GA
	OG	NASHVILLE	TN
	OLM	STUARTS DRAFT	VA
9.10 /4.10	WTT	LOUISVILLE	KY
	WTX	DURHAM	NC
	AM	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
9.15 /4.15	ZTL	ATLANTA/BELL	GA
	DUM	LEXNGTN/ROCK MT.	VA
	VA	SPRINGFIELD	VA
9.20 /4.20	LBM	DECATUR	GA
	QHN	PHENIX CITY (AL)	GA
	LB	COLUMBIA	SC
	NEX	MORRISTOWN	TN
	ECM	CHESTER/ENON	VA
	EZA	WAYNESBORO	VA
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	KNI	HENDSVL/BERWLW M	NC
	PAJ	BARTLETT	TN
	RM	SMYRNA	TN
	TFZ	CHARLOTTESVILLE	VA
9.30 /4.30	MNH	CHARLESTON	SC
	DRL	FISHERVILLE	TN
	HXD	KNOXVILLE	TN
9.325/4.325	BA	MARIETTA	GA
9.35 /4.35	JF	TIFTON	GA
	BKY	GALLATIN	TN
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	BFD	MT OGELTHORPE	GA
9.40 /4.40	ZW	FAYETTEVILLE	NC
	KOG	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	ARO	PETERSBURG	VA
9.425/4.425	ISI	ALTAVISTA	VA
9.45 /4.45	YTU	BROWNSVILLE	TN
	KWP	GALLATIN	TN
	CRK	FALLS CHURCH	VA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	IZF	MEMPHIS	TN
	HEX	LYNCHBURG	VA
9.55 /4.55	NEF	TYRONE	GA
	JPA	HAMPTON	VA
9.575/4.575	OG	NASHVILLE	TN
9.60 /4.60	BFB	CHARLOTTE	NC
	NK	KNOXVILLE	TN
	JXI	MEMPHIS	TN
	HFH	ALEXANDRIA	VA
	EZR	HUNTINGTON	WV
9.625/4.625	WQ	ATLANTA	GA
	MZ	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	HF	SALISBURY	NC
	NKM	GREENEVILLE	TN
	ARO	RICHMOND	VA
9.675/4.675	EBZ	NEWNAN	GA
	AY	NASHVILLE	TN
9.70 /4.70	HHH	ELLIJAY TALONA M	GA
	APS	VALDOSTA	GA
	JEH	ROCKY MOUNT	NC
	DRU	MT PLEASANT	SC
	MMI	MEMPHIS	TN
	LG	MORGANTOWN	WV
9.75 /4.75	EMM	CONYERS	GA
	KQI	FOREST	VA
	JYF	TYSONS CORNER	VA
9.775/4.775	NEQ	ATLANTA/MARIETTA	GA
	QES	NASHVILLE	TN
9.80 /4.80	BEJ	ELIZABETHTOWN	KY
	J	GREENVILLE	NC
	UY	MT AIRY/FSH PK	NC
	JXI	MEMPHIS	TN
	LP	MORRISTOWN	TN
	MIC	OILVILLE	VA
	FRV	KINSTON/LICK KB	WV
	CUL	MORGANTOWN	WV
9.825/4.825	ZBP	STAUNTON	VA
4.85 /4.85	BZJ	DALTON	GA
9.85 /4.85	NFP	ATLANTA/MARIETTA	GA
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	ARO	RICHMOND	VA
9.875/4.875	LRD	CHATTANOOGA	TN
	FMD	JANE LEW	WV
9.90 /4.90	COS	ASHVL/MT PISGAH	NC
	ZW	FAYETTEVILLE	NC
	VBC	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
	FQR	WOODBRIDGE	VA
9.925/4.925	NNO	ATLANTA	GA
	BUH	ANDERSON/SAS MT	SC
	ETE	MEMPHIS	TN
	BON	ROANOKE/POOR MT	VA
9.95 /4.95	I	AUGUSTA	GA
	KIN	PERRY	GA
	WXL	RALEIGH	NC
	SIR	BENTON/BEAN MT	TN
	GP	CLARKSVILLE	TN
	KQQ	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	CQV	S. CHARLESTON	WV
9.975/4.975	TAT	ASHLAND	EKY
	YNZ	ATLANTA	GA
	NS	CUSTER	KY
	QES	NASHVILLE	TN
6.65 /6.65	DBB	ROANOKE	VA
4.225/9.225	JCE	MANASSAS	VA
4.825/9.825	DOC	ATLANTA	GA
4.925/9.925	TSC	WINCH/BLUEMONT	VA
6.25 /1.25	FHL	ROANOKE	VA
9.25 /3.25	HEX	LYNCHBURG	VA
2.01 /ACON	DRL	FISHERVILLE	TN

The By-City Index Appears On Following Pages

MORE NORTH CAROLINA REPEATERS

RALEIGH	N4BEA	144.67	145.27	☆	PAL
RALEIGH	N4CBI	144.89	145.49	N	O
RALEIGH	W4DW	146.04	146.64	D	PA
RALEIGH	K4BWC	146.13	146.73	☆	PA
RALEIGH	K4ITL	146.28	146.88	D	L
RALEIGH	K4ITL	147.75	147.15	D	PA
RANDLEMAN/GBO	WD4CVM	144.55	145.15	☆	
RED SPRINGS	W4MZP	147.90	147.30	☆	PA
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	K4ITL	144.71	145.31	D	CL
ROANOKE RAPIDS	WA4DTS	147.63	147.03	N	
ROARING GAP	WB4PZA	146.22	146.82	☆	
ROB/JOANNA BLD	WD4CNS	146.445	147.045	N	
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	☆	TEA
SALISBURY	W4EXU	146.13	146.73	☆	EAL
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	☆	R
SAURATOWN MT	WA4GIC	144.87	145.47	D	
SAURATOWN MT	N4QDK	146.19	146.79	☆	PA
SHALLOTTE	K4PPD	144.69	145.29	D	PA
SHALLOTTE	N4FAU	147.99	147.39	☆	PA
SHELBY	W4NYR	146.28	146.88	☆	
SHELBY	W4NYR	147.945	147.345	☆	PA
SMITHFIELD	KD4JQ	146.37	146.97	☆	A
SPARTA/GREEN MT	K4ITL	144.83	145.43	D	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685	☆	PA
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76	D	
TRENTON	K4ITL	144.61	145.21	D	L
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	WA4IAT	146.235	146.835	N	
WALKERTOWN	WA4RBW	147.915	147.315	☆	
WASHINGTON	WA4TEP	147.945	147.345	☆	
WAXHAW	WA4ZRS	147.465	146.865	☆	PA
WAYNESVILLE	N4SM	147.87	147.27	☆	A
WHITEVILLE	K4MSD	147.81	147.21	☆	AL
WILLIAMSTON	KA4KNU	144.81	145.41	☆	A
WILMINGTON	W4VNK	146.13	146.73	☆	PA
WILMINGTON	K4GMP	146.22	146.82	☆	L
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	☆	A
WINSTON-SALEM	WA4GIC	146.04	146.64	D	AL

220 MHZ

ASHEVILLE	NC4N	223.00	224.60	☆	L
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	☆	
CHARLT/MINT HL	KE4ZC	222.80	224.40	☆	
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02	☆	L
GOLDSBORO	WB3JVX	223.36	224.96	N	EAC
GREENSBORO	WB4WOR	222.54	224.14	☆	CK
GREENSBORO	KB4KQI	223.22	224.82	D	PAL
GRIFTON	WA4DAN	223.24	224.84	☆	L
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	☆	
HICKORY	WA4MDW	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92	☆	LA
HIGH POINT	N4NNR	223.00	224.60	D	PA
HILLSBOROUGH	WA4WTX	222.34	223.94	D	L
LENOIR/HIBRITN	KN4K	222.56	224.16	☆	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	D	
LOCUST	WA4ZIA	222.40	224.00	☆	PAL
MARS HILL	KA4TYO	223.06	224.66	N	L
MARSHALL	KA4TYO	222.76	224.36	N	L
MAYODAN MT	WA4ACP	222.62	224.22	☆	T
MORGANTON	WB4PML	223.20	224.80	☆	T
MT MITCHELL	WA4BVW	222.94	224.54	☆	
MT. TOXAWAY	K4MSK	223.12	224.72	N	
RALEIGH	WA4PEN	223.04	224.64	N	
RIEGELWOOD	K4YNY	222.58	224.18	N	L
ROCKY MOUNT	NF4C	222.36	223.96	☆	PA
SALISBURY	W4EXU	223.16	224.76	☆	L
SAURATOWN MT	WA4YHH	222.98	224.58	☆	
SAURATOWN MT	W4RXG	223.10	224.70	☆	R
SAURATOWN MT	W4RXG	223.28	224.88	☆	
SAURATOWN MT	WA4WTB	223.36	224.96	D	C
STATESVILLE	WA4PVI	222.70	224.30	☆	
WILMINGTON	K4YNY	222.90	224.50	D	CL
WINSTON-SALEM	WA4YHH	223.04	224.64	☆	PA

440 MHZ

ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHARLOTTE	W4BFB	449.60	444.60	N	
CHARLOTTE	W4CQ	449.85	444.85	D	
DURHAM	WA4WTX	449.10	444.10	D	AL
FAYETTEVILLE	KB4ZW	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	449.90	444.90	N	P
GOLDSBORO	WB3JVX	448.05	443.05	N	EA
GREENSBORO	WD4PQZ	448.50	443.50	☆	RB
GREENVILLE	AI4J	449.80	444.80	N	
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	☆	
HICKORY	K4JEQ	449.00	444.00	D	
HIGH POINT	K4AZA	447.90	442.90	☆	L
HIGH POINT	N4LXW	448.70	443.70	N	
LOCUST	WA4LBT	448.70	443.70	☆	PAL
MAYODAN	WA4ACP	447.10	442.10	☆	
MORGANTON	WB4PML	447.025	442.025	☆	P
MT AIRY/FSH PK	KF4UY	449.80	444.80	☆	LRB
MT MITCHELL	N4DWU	448.60	443.60	☆	
NEW BERN	WA4VBC	449.90	444.90	☆	O
RALEIGH	N4BEA	447.15	442.15	☆	L
RALEIGH	WA1WXL	449.95	444.95	☆	
ROARING GAP	KC4XE	448.55	443.55	☆	L
ROCKY MOUNT	N4JEH	449.70	444.70	☆	PA
SALISBURY	KJ4HF	449.65	444.65	☆	ARB
SAURATOWN MT	WA4HUV	439.25	421.25	☆	V
SAURATOWN MT	N4GGC	448.10	443.10	☆	L
SHELBY	W4NYR	439.25	427.25	☆	V
STATESVILLE	KB4KQI	448.30	443.30	D	RB
WILMINGTON	K4YNY	447.500	442.500	D	ALRB
WILMINGTON	K4GMP	449.85	444.85	☆	
WILSON	NE4J	449.90	444.90	D	

10 METERS

MAYODAN	WA4ACP	29.56	29.66	☆	T
WILKESBORO	KC4XE	29.52	29.62	☆	L

6 METERS

HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WA4MDW	52.47	53.47	N	
HIGH POINT	K4AZA	52.525	52.525	☆	RB
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C
ROANOKE RAPIDS	WA4DTS	52.03	53.03	N	
STATESVILLE	WA4WRS	52.67	53.67	N	C

PACKET

BEARWALLOW MT.	WA4KNI-1	145.01	BRA	☆	K
CHARLOTTE	W4BFB-1	145.01	PKET	N	K
CHARLOTTE	W4CQ-1	145.01	PKET	D	K
CHERRY MTN	WB4RDL-1	145.01	PKET	N	K
COLFAX	KE4TH-1	145.07	PKET	N	K
CONCORD	K4CEB-1	145.05	PKET	D	K
GOLDSBORO	K4CYP-1	145.01	PKET	☆	K
GREENSBORO	WB4WOR-5	145.01	NCTRD	☆	K
GREENSBORO	WB4WOR-6	145.65	GSO	☆	K
GREENVILLE	WD4JPQ-1	145.01	PKET	D	K
LINVILLE	KB4NHB-2	145.05	PKET	D	K
LUMBERTON	W4NHV	145.01	PKET	☆	K
MARS HILL	K4ZMC-1	145.01	MARS	N	K
RALEIGH	K4ITL-1	145.01	PKET	D	K
SAURATOWN MT	W4RXG-1	145.01	PKET	☆	K
WILMINGTON	KB4NOZ-1	145.01	PKET	☆	K
WILMINGTON	KB4NOZ-3	145.63	PKET	☆	K

VIRGINIA REPEATERS

2 METERS

ABINGDN/BRMLY MT	K4LSP	146.01	146.61	D	
ACCOMAC	WA4TVS	147.855	147.255	D	EA
ALEXANDRIA	N4FSC	144.71	145.31		MPA
ALEXANDRIA	WD4PDP	146.055	146.655		MPA
ALEXANDRIA	W4HFH	147.915	147.315		ML
ALTAVISTA	WA4ISI	146.055	146.655	☆	A
ARLINGTON	N4EFJ	144.87	145.47		M
ARLINGTON	WA4YVM	146.445	147.045		MT
BARREN SPRINGS	K4HZS	146.07	146.67	☆	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	☆	
BEDFORD	WB4JBJ	147.705	147.105	D	PAL
BLACKSBURG	AB9I	146.115	146.715	☆	
BLAND	N4AZJ	144.75	145.35	☆	PARB
BLUEFIELD	W8MOP	144.89	145.49	☆	PA
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	☆	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	☆	
CHASE CITY	W4AXH	146.31	146.91	☆	
CHESAPEAKE	K4NDH	144.69	145.29	☆	EA
CHESAPEAKE	N4GSP	146.01	146.61	☆	AEA
CHESAPEAKE	N4SD	146.19	146.79	☆	A
CHESTERFIELD	KA4CBB	147.96	147.36	☆	
CHESTERFLD CO	WA4ECM	147.66	147.06	☆	A
COVINGTON	WA4HTI	146.205	146.805	N	
CULPEPPER	N4FAF	147.72	147.12		M
DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE(DCC)	WB4GJG	146.325	146.925	☆	EA
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	
FAIRFAX	W4LBL	146.19	146.79		MPA
FALLS CHURCH	W4AQD	144.75	145.35		MT
FARMVILLE	WA4QQI	144.73	145.33	☆	
FINCASTLE	W4WIC	146.04	146.64	☆	L
FRANKLIN	K4SPS	147.90	147.30	☆	PA
FREDRICKSBURG	WB4LNT	147.615	147.015		M

MORE VIRGINIA REPEATERS

GALAX	WA4ZIV	144.79	145.39	N	PAT
GALAX/BRIRP MT	N4VL	147.69	147.09	☆	A
GALAX/LKOUT MT	N4VL	144.53	145.13	☆	RB
GLOUCESTER	NB4P	144.77	145.37	☆	
GRUNDY	K4HWQ	147.92	147.32	N	ANB
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	
GUM SPRING	KB4GX	147.87	147.27	☆	
HAMPTON	K4DHO	146.13	146.73	☆	PA
HAMPTON	K4UMI	146.34	146.94	N	T
HARRISONBURG	WX4C	147.825	147.225	☆	A M
HILLSVILLE	WD4BTJ	147.975	147.375	N	A O
JONESVILLE	WA4OVC	146.10	146.70	☆	
KILMARNOCK	W2MS	144.61	145.21	☆	A
LEXINGTON	KI4ZR	146.07	146.67	☆	RB
LEXINGTON	KI4ZR	147.90	147.30	☆	A
LEXNGTN/ROCK MT.	K4PQD	147.93	147.33	N	O
LUNENBURG CT.HSE	AA4OG	147.84	147.24	☆	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	AB4M	146.415	147.015	☆	PA
LYNCHBURG	WA4RTS	147.795	147.195	☆	
LYNCHBURG	KB4ILD	147.975	147.375	N	PA
MADISON	N4AJO	147.99	147.39		M
MANASSAS	WD4JCE	144.67	145.27		MR
MANASSAS	WA4FPM	146.37	146.97		MPA
MARION	KC4IH	146.04	146.64	☆	PA
MARTINSVILLE	AB4L	147.885	147.285	☆	
MCLEAN	WD4IWG	147.81	147.21		MR
MIDDLEBROOK	W4WRN	146.37	146.97	N	EA
MOUNTAIN LAKE	KD8MZ	147.465	146.865	☆	PAL
MT. LK/BALD KNB	K4TUE	146.31	146.91	N	O
NEW MARKET	K4AVW	146.025	146.625	M	M
NEWPORT NEWS	WA4OHX	144.89	145.49	N	PA
NEWPORT NEWS	WB4CTF	147.765	147.165	☆	PALF
NORFOLK	NE4D	146.10	146.70	☆	EA
ONEIDA PEAK/BLF	KD8MZ	146.355	146.955	☆	PAL
PEARISBURG	N4AZJ	147.735	147.135	☆	
PENNINGTON GAP	N4LQC	146.10	146.70	☆	
PETERSBURG	K4ARO	144.55	145.15	☆	
PETERSBURG	N4KAF	147.78	147.18	N	
PETERSBURG	K4ARO	147.99	147.39	☆	
PKS KB/PULASKI	KT4Z	147.78	147.18	☆	PA
PORTSMOUTH	W4POX	146.25	146.85	☆	A
RICHMOND	K4YPE	144.51	145.11	☆	A
RICHMOND	WB4FAX	144.59	145.19	☆	
RICHMOND	W4SQT	144.83	145.43	☆	PA
RICHMOND	WB4QEY	146.04	146.64	☆	PA
RICHMOND	WA4ZBE	146.28	146.88	☆	PA
RICHMOND	W4ZA	146.34	146.94	☆	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	☆	
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745	☆	PAL
ROANOKE/POOR MT	W4CA	146.385	146.985	☆	PAL
ROANOKE/POOR MT.	WB4QOJ	144.61	145.21	N	RV
SALEM	W4PDL	146.28	146.88	N	
STAUNTON	W4XD	146.10	146.70	☆	
STAUNTON	WA4ZBP	146.25	146.85	☆	RBR
STAUNTON/EL. KB	N4RAG	147.645	147.045	☆	
STERLING	WA4TXE	146.115	146.715		M
STUARTS DRAFT	KB4OLM	147.96	147.36	N	
SUFFOLK/GASBURG	WA4HMT	146.40	147.00	N	PAEA
TAZEWELL	WA4QKH	147.75	147.15	N	
TYSONS CORNER	WB4FMD	146.31	146.91		MPA
VIENNA	K4HTA	146.085	146.685		M
VIRGINIA BEACH	WA4KXV	146.295	146.895	☆	
VIRGINIA BEACH	WA4KXV	146.37	146.97	☆	EA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	D	
VOLENS	WD4LBM	146.46	147.06	D	PA
WARRENTON	WB4FJT	147.765	147.165		M
WARSAW	KA4ZIP	147.93	147.33	☆	EA
WAYNESBORO	W4BLD	147.63	147.03	☆	O
WAYNSBR/BEAR DEN	W4PNT	147.675	147.075	D	PAL
WILLIAMSBURG	W4NTG	146.07	146.67	☆	
WILLIAMSBURG	KB4ZIN	146.16	146.76	☆	A
WINCH/BLUEMONT	WA4TSC	147.90	147.30		M
WINCHESTER	W4RKC	146.22	146.82	☆	M
WISE/HIGH KNOB	K4AXO	147.81	147.21	N	
WOODBRIDGE	WB4FQR	147.84	147.24		MA
WYTHEVILLE	WD4MUQ	146.175	146.775	☆	A
YORKTOWN	K4UMI	144.63	145.23	N	P
YORKTOWN	WD4SDC	147.825	147.225	N	PAT

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82		ML
BEDFD/APL ORCH	WB4DBB	223.94	222.34	☆	RBL
BEDFORD	N4PLV	223.24	224.84	☆	C
CHARLOTTESVILLE	WA4TFZ	223.50	223.50	☆	RB
CHESAPEAKE	WA6GVC	223.34	224.94	N	
DAN/WHT OAK	K4OAK	223.16	224.76	N	
DANVILLE	WB4GJG	222.78	224.38	D	
DELTAVILLE	AA4HQ	222.40	224.00	☆	
FAIRFAX	WB4YHD	222.50	224.10		ML
FALLS CHURCH	N4CHP	223.38	224.98		MPA
FRIES/SAND MTN	WA4DFH	222.74	224.34	☆	
HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	☆	
LYNCHBURG	AB4M	222.68	224.28	☆	PA
MARTINSVILLE	WB4BVI	222.90	224.50	☆	PAT
NEWPORT NEWS	KB4UHA	223.26	224.86	N	
NORTON/HIGH KB	WA4NDQ	222.82	224.42	☆	
ROANOKE	WB4DBB	222.50	224.10	☆	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	☆	
STERLING PK	WD4KHP	222.12	223.72		M
STUARTS DRAFT	KB4OLM	223.36	224.96	N	AL
TYSONS CORNER	WD4KHP	223.12	224.72		ML
VIRGINIA BEACH	WD8DAS	222.58	224.18	N	

440 MHZ

ALEXANDRIA	W4HFH	449.60	444.60		M
ALTAVISTA	WA4ISI	449.425	444.425	☆	L
BEDFD/APL ORCH	WB4DBB	449.35	444.35	☆	L
BLUEFIELD	KD8MZ	449.625	444.625	☆	PAL
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	☆	
CHESAPEAKE	K4NDH	448.80	443.80	☆	PA
CHESAPEAKE	N4EVG	448.90	443.90	☆	PAE/
CHESTER/ENON	WA4ECM	449.20	444.20	☆	RB
COVINGTON	WA4HTI	447.25	442.25	N	
FALLS CHURCH	WB8CRK	449.45	444.45		ML
FOREST	WD4KQI	449.75	444.75	N	A
GALAX/PT LOOKOUT	N4VL	448.00	443.00	☆	L
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	WB4JPA	449.55	444.55	☆	PAT
INDEPENDNCE HILL	AA4VA	448.80	443.80		M
LEXNGTN/ROCK MT.	WA4DUM	449.15	444.15	N	O
LYNCHBURG	K4HEX	439.25	923.25	N	CV
LYNCHBURG	AB4FU	447.95	442.95	N	
LYNCHBURG	K4HEX	449.50	444.50	N	
MANASSAS	WD4JCE	444.225	449.225		ML
MARION	KC4IH	447.00	442.00	☆	
NORFOLK	W4WIN	439.25	426.25	N	V
OILVILLE	KB4MIC	449.80	444.80	☆	
PETERSBURG	K4ARO	449.40	444.40	☆	T
RICHMOND	K4ARO	449.65	444.65	☆	
RICHMOND	K4ARO	449.85	444.85	☆	
ROANOKE	N4FHL	426.25	911.25	N	CV
ROANOKE	WB4DBB	446.65	446.65	☆	L
ROANOKE	KA4YUY	447.175	442.175	☆	
ROANOKE	N4VG	447.70	442.70	☆	
ROANOKE/POOR MT	W4CA	447.50	442.50	☆	L
ROANOKE/POOR MT	WB8BON	449.925	444.925	☆	CL
SPRINGFIELD	AA4VA	449.15	444.15		M
STAUNTON	WA4ZBP	449.825	444.825	☆	
STAUNTON	W4WRN	449.95	444.95	N	
STUARTS DRAFT	KB4OLM	449.05	444.05	N	
TYSONS CORNER	WB6GUS	448.50	443.50		M
TYSONS CORNER	K4JYF	449.75	444.75		M
VIRGINIA BEACH	WA4KXV	449.95	444.95	☆	
WAYNESBORO	KA5NOJ	439.25	426.25	☆	VC
WAYNESBORO	WA4EZA	449.20	444.20	N	
WILLIAMSBURG	W4NTG	448.95	443.95	☆	
WINCH/BLUEMONT	WA4TSC	444.925	449.925		M
WINCHESTER	W3CSG	447.00	442.00		M
WINDY GAP MT	W4WIC	448.75	443.75	☆	AL
WOODBRIDGE	WB4FQR	449.90	444.90		M
WYTHEVILLE	KA4JRL	448.80	443.80	N	C

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13		ML
BEDFORD/THAX MT	WB4DBB	52.15	53.15	☆	
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	☆	RBO
DANVILLE(DCC)	WB4GJG	52.13	53.13	☆	
FAIRFAX	KA4DCS	52.58	52.48		M
FAIRFAX STA	WD4KHP	52.64	52.84		M
LEXNGTN/ROCK MT.	WA4DUM	52.01	53.01	N	L O
LOUISA	KA4NNN	52.07	53.07	N	
RICHMOND	WB4FAX	52.43	53.43	☆	

MORE VIRGINIA REPEATERS

RIDGEWAY	KE4FJ	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25	☆	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	☆	CL

10 METERS

CHARLOTTESVILLE	WA4TFZ	29.60	29.60	☆	RBO
NEWPORT NEWS	WB4CTF	29.60	29.60	☆	RB
ONEIDA PK/BLFLD	KD8MZ	29.58	29.68	☆	RBL
ROANOKE/POOR MT	WB8BON	29.54	29.64	☆	CL
STERLING	KD4DN	29.58	29.68		M

PACKET

ACCOMAC	KJ4AG-1	145.01	PKET	D	K
ACCOMAC	KJ4AG-3	145.03	PKET	D	K
AFTON MT.	W4BLD-2	145.03	LAN	☆	K
BEAR DEN MT	W4BLD-1	145.01	BRDN	☆	K
BLAND	N4AZJ-1	145.01	BLD	☆	K
BLUEFIELD	WB4BBF-1	145.01	BLF	☆	K
CHARLOTTESVILLE	WA4TFZ-2	145.03	PKET	☆	K
CHESAPEAKE	N4SD-1	145.01	PKET	☆	K
COVINGTON	WA4PGI-1	145.01	COVA	N	K
FANCY GAP	WA4LWE-1	145.01	FGAP	N	K
FREDERICKSBURG	KB4OB-1	145.01	PKET		KM
GARRISONVILLE	AA4PB-1	145.07	PKET	N	K
GRUNDY	KK4EH-1	145.01	GDY	N	K
HAMPTON	K4UMI-5	145.01	PKET	N	K
LYNCHBURG	K4LKQ-1	145.01	PKET	N	K
MARION	KA4JRL-1	145.01	MRN	☆	K
MARION	N4IQV-9	145.09	PKET	N	K
MIDDLEBURG	WA4TSC-1	145.01	PKET		KM
NASSAWADOX	KJ4AG-2	145.01	PKET	D	K
NORTON/HI KNOB	KC4IH-1	145.01	HINOB	☆	K
PEARISBURG	N4KZL-2	145.01	DPK	☆	K
PETERSBURG	K4ARO-1	145.01	PKET	☆	K
RICHMOND	WA4ONG-1	145.65	PKET	N	K
ROANOKE	N4FHL-1	145.01	ROA	☆	K
ROANOKE	N4MGQ-9	145.09	PKET	N	K
ROANOKE/POOR MT.	WB4QOJ-1	145.07	PKET	N	K
STEPHENS CITY	W3CSG	145.01	PKET		KM
VIRGINIA BEACH	WA4KXV-1	145.01	PKET	☆	K
VIRGINIA BEACH	WA4KXV-2	145.05	PKET	☆	K
VIRGINIA BEACH	WA4KXV-3	221.01	PKET	☆	K
WASHINGTON, D.C.	WB4JFI-5	145.01	PKET		KM
WAYNESBORO	W4BLD-3	446.05	PKET	☆	K
WOODBRIDGE	N4IYV-1	145.01	PKET	M	K
WOODBRIDGE	N4IYV-7	145.07	PKET	M	K
WOODBRIDGE	N4IYV-4	446.075	PKET	M	K
WYTHEVILLE	N4KZL-1	145.01	WYTHE	☆	K
WYTHEVILLE	N4KZL-9	145.09	PKET	☆	K

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285	N	
ANDERSON	N4SZ	146.37	146.97	☆	PA
ANDERSON/SAS MT	W4FVV	146.19	146.79	☆	
BAMBERG	WA4DFP	144.73	145.33	☆	
BARNWELL	WA4FOF	147.63	147.03	☆	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	D	
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	K4ILT	146.19	146.79	N	
CHARLESTON	WB4LET	147.87	147.27	☆	PAL
CHELSEA	KB4GY	146.01	146.61	☆	
CHERAW	KA4ABW	147.735	147.135	N	PA
COLUMBIA	KC4LB	144.83	145.43	☆	PA
COLUMBIA	WB4NEP	146.115	146.715	N	PA
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	N4NUY	147.93	147.33	N	
CONWAY	WD4JMT	144.51	145.11	☆	
DILLON/PEE DEE	NN4N	146.145	146.745	☆	
DORCHESTER	W4NAT	147.78	147.18	D	
FLORENCE	W4ULH	146.25	146.85	N	A
FLORENCE	WA4ISM	146.37	146.97	☆	PA
FT JACKSON	WA4PTC	146.16	146.76	N	
FT MILL/CAROWND	AA4SC	147.78	147.18	☆	
GASTON	WB4NEP	144.61	145.21	N	PA
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	N	
GREENVILLE	K4LEO	147.975	147.375	☆	T
GREENWOOD	K4VIA	147.765	147.165	☆	PA
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	☆	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	☆	PA
HILTON HEAD	N1BAL	147.84	147.24	☆	
INMAN	WD8OXE	144.87	145.47	☆	PA
LANCASTER	W4PAX	146.10	146.70	☆	
LANCASTER	KC4AC	147.84	147.24	☆	
LEXINGTON	KA4FEC	147.99	147.39	☆	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT PLEASANT	K4ESG	146.385	146.985	N	PA
MT. PLEASANT	K4LWS	147.90	147.30	N	PAT
MYRTLE BEACH	WD4JMT	147.72	147.12	☆	EA
MYT BEA/BRKSVLLE	W4DCD	147.885	147.285	D	A
N. AUGUSTA	K4FKJ	146.13	146.73	☆	
N. MYRTLE BEACH	K4HOG	147.63	147.03	☆	PA
NEWBERRY	KB4CO	146.085	146.685	☆	
ORANGEBURG	K4RDN	147.69	147.09	N	C
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	☆	A
ROCK HILL	KA4RFA	144.71	145.31	☆	PAL
ROCK HILL	K4YTZ	146.43	147.03	☆	PA
ROCKY SPUR	WD4MGM	147.885	147.285	N	
SANTEE	W4DTW	147.825	147.225	☆	A
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	PA
SIMPSONVILLE	WD4BJY	146.13	146.73	☆	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	K4JLA	147.69	147.09	N	
ST. MATTHEWS	AD4U	146.22	146.82	☆	PA
SUMMERTON	N4LWY	144.55	145.15	☆	PA
SUMTER	KB4FIQ	146.04	146.64	D	
SUMTER	WA4UMU	147.615	147.015	D	EA
SUMTER/SHAW	W4VFR	147.66	147.06	☆	A
WHITE HALL	W4BWZ	146.31	146.91	N	

220 MHZ

COLUMBIA	N4EOY	223.30	224.90	☆	RB
CROSS	KB4VFD	222.98	224.58	D	C
GREER	W4ILY	222.38	223.98	N	PA
LITTLE MT	KA4FEC	222.52	224.12	☆	
PICKENS/CSRS HD	WB4QHF	222.54	224.14	☆	PA
PICKENS/SASFR MT	AJ4N	222.46	224.06	☆	
RIDGEVILLE	N4CII	222.48	224.08	☆	

440 MHZ

ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
CHARLESTON	N4MNH	449.30	444.30	D	A
COLUMBIA	KC4LB	449.20	444.20	☆	RB
CROSS	KB4VFD	447.30	442.30	D	C
GRNVLE/PARIS MT	ND4N	448.10	443.10	☆	
LEXINGTON	N4GUP	439.25	421.25	☆	V
MT PLEASANT	N4DRU	449.70	444.70	N	
PICKENS/CSRS HD	KA4ZUS	447.40	442.40	☆	
SUMMERVILLE	WA4HNK	448.80	443.80	☆	PA
SUMTER	WA4UMU	439.25	423.25	D	V

10 METERS

RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	☆	RB

6 METERS

PICKENS	WB4YXY	52.41	53.41	N	

PACKET

ANDERSON	KA4YEA-1	145.07	PKET	☆	K
ANDERSON/SAS MT	W4FX-1	145.01	PKET	☆	K
CHARLESTON	WD4NUN-9	145.01	PKET	☆	K
CHARLESTON	N4LYF-1	145.01	PKET	N	K
CHARLESTON	WN4Y-5	145.05	PKET	N	K
COLUMBIA	N4EOY-1	145.01	CAE1	☆	K
COLUMBIA	N4EOY-5	145.05	CAE	☆	KL
COLUMBIA	N4EOY-6	223.40	CAE22	☆	KL
CONWAY	WA4TKM-1	145.01	PKET	N	K
CROSS	KB4VFD-4	145.05	PKET	D	K
FLORENCE	W4ULH-1	145.01	PKET	N	K
GREY COURT/GRNVL	WV4B-7	145.07	PKET	☆	K
GREY COURT/GRNVL	WV4B-7	223.40	PKET	☆	K
LANCASTER	K4WJR-1	145.01	PKET	N	K
SUMTER	KK4QZ-1	145.01	PKET	D	K

Advertise Your Hamfest With A Full Page Ad In The

REPEATER JOURNAL

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	N	
BRISTOL	K4ILW	146.07	146.67	☆	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	WA4ABU	146.055	146.655	N	
BROWNSVILLE	KB4YTU	146.16	146.76	N	C
CARTHAGE	N4OTT	144.59	145.19	☆	PA
CHATT/SIGNAL MT	AD4F	146.055	146.655	☆	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	PA
CHATTANOOGA	K4VCM	144.69	145.29	D	
CHATTANOOGA	W4AM	144.79	145.39	D	A
CHATTANOOGA	K4CMY	146.01	146.61	D	
CHATTANOOGA	W4AM	146.19	146.79	D	A
CHATTANOOGA-RTTY	K4CMY	144.53	145.13	N	
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	D	
CLEVELAND	W4GZX	146.31	146.91	N	C
COLLIERVILLE	KB4YGI	144.53	145.13	N	
COLUMBIA	KE4KO	144.85	145.45	☆	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	☆	PA
COVINGTON	N4DRL	147.99	147.39	N	
CROSSVILLE	KE4RX	146.04	146.64	☆	
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CITY	N4GMT	144.73	145.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	☆	
DONELSON	WA4BZU	147.885	147.255	N	TPA
DYERSBURG	AA4HF	146.145	146.745	N	
ELLISVILLE(MISS)	N5DWU	146.07	146.67	☆	PAL
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	PA
GALLATIN	WD4BKY	147.84	147.24	N	L
GALLATIN	WD4BKY	147.87	147.27	N	
GERMANTON	KA4ATI	147.69	147.09	N	
GRAY	WD4SBX	144.65	145.25	☆	A
GRAY	WD4SBX	147.99	147.39	☆	A
GREENEVILLE	K4EPC	144.79	145.39	☆	
GREENEVILLE	WB4TUO	144.81	145.41	D	
GRNVLE/GRYSTN	WA4LYF	147.66	147.06	N	A
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LEA
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	N	
HENDERSON	K4TC	147.705	147.105	N	PAEA
HENDERSONVILLE	WB4WZK	144.67	145.27	☆	PAT
HENDERSONVILLE	N4WF	147.945	147.345	N	
HERMITAGE	WB4DOR	144.79	145.39	N	
HOLSTON MT/E TN	WB4SQC	144.69	145.29	D	PA
HUMBOLDT	NQ4Y	144.75	145.35	N	
JACKSON	WB7BOX	144.51	145.11	☆	AL
.JACKSON	KF4SC	144.71	145.31	☆	
JACKSON	W4WKZ	147.81	147.21	☆	
JASPER	KD4XX	144.59	145.19	☆	A
JOHNSON CITY	W4ABR	146.19	146.79	☆	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	D	PA
KNOXVILLE	N4IJL	144.51	145.11	N	
KNOXVILLE	W4BBB	144.61	145.21	☆	A
KNOXVILLE	WA4TEM	144.73	145.33	☆	AL
KNOXVILLE	N4GRC	144.77	145.37	☆	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47	☆	
KNOXVILLE	WB4GBI	146.025	146.625	☆	C
KNOXVILLE	WB4GBI	146.34	146.94	☆	
KNOXVILLE	WB4GBI	147.675	147.075	☆	A
KNOXVILLE	W4BBB	147.90	147.30	☆	
KNXVL/CROSS MT	KA4OAK	147.96	147.36	N	
KNXVL/ENG MT	WB4IOB	146.13	146.73	☆	
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	N	
LAUREL (MISS)	WV5D	146.01	146.61	☆	A
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WD4JVV	147.615	147.015	N	
LENOIR CITY	KB4PIO	146.085	146.685	N	PA
LEXINGTON	WD4MVR	146.43	147.03	☆	
LOUDON	KE4SK	144.57	145.17	☆	
MANCHESTER	W4UOT	146.10	146.70	☆	PA
MARTIN	WA4ZQX	146.025	146.625	☆	A
MCMINNVILLE	WD4MWQ	146.37	146.97	☆	A
MCMINVL/SHT MT	W4KKO	144.89	145.49	☆	
MEDINA	K4BEZ	146.37	146.97	N	A
MEM/FISHERVILLE	N4DRL	144.65	145.25	D	AL
MEMPHIS	KOJXI	144.55	145.15	N	
MEMPHIS	KAOBRN	144.57	145.17	N	
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	K4HAZ	144.85	145.45	N	C
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	WB4KQQ	146.04	146.64	☆	
MEMPHIS	W4UFT	146.10	146.70	N	
MEMPHIS	WB4DAZ	146.13	146.73	☆	PA
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	D	PA
MEMPHIS	WA4KOG	146.25	146.85	N	A
MEMPHIS	WA4ETE	146.28	146.88	☆	A
MEMPHIS	K4BN	146.34	146.94	D	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	W4ZJM	146.43	147.03	N	L
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	N	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	☆	PAL
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON	W4ODR	147.63	147.03	N	L
MORRISTOWN	WD4PRQ	147.63	147.03	N	EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	☆	PA
NASHVILLE	WA4CGD	144.61	145.21	N	L
NASHVILLE	N4WF	144.69	145.29	N	
NASHVILLE	WD4JYD	144.75	145.35	N	
NASHVILLE	KI4OG	144.77	145.37	D	
NASHVILLE	N4ARK	144.87	145.47	N	PA
NASHVILLE	WA4PCD	146.01	146.61	N	PA
NASHVILLE	WB4NTM	146.04	146.64	N	EA
NASHVILLE	W4PQP	146.16	146.76	D	
NASHVILLE	W4SQE	146.19	146.79	☆	
NASHVILLE	WA4PCD	146.25	146.85	N	PA
NASHVILLE	WA4TOA	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WB4ZSA	147.90	147.30	☆	PA
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36	N	R
NASHVILLE S.W.	WB4NTM	146.07	146.67	N	EA
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	N	
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	☆	
OAK RIDGE	K4EAJ	147.75	147.15	☆	RL
PARIS	K4KLX	147.96	147.36	N	A
PETROS	KJ4SI	147.855	147.255	☆	A
PIKEVILLE	K4MJM	147.885	147.285	☆	
PINSON	WBOTMC	147.87	147.27	N	C
POCAHONTAS	WB4MMI	147.96	147.36	N	
POLK CTY/OSWALD	WD4DES	147.78	147.18	☆	A
PULASKI/MUSIC MT	W4JVO	146.175	146.775	D	EA
PURYEAR	WA4CEX	147.765	147.165	D	
ROCKWOOD	WA4RHV	147.615	147.015	☆	AEA
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	
SHELBYVILLE	W4QEB	147.66	147.06	☆	A
SHORT MTN	W4YXA	146.31	146.91	☆	
SPARTA/BON AIR	W4BSA	147.69	147.09	N	A
SPRING HILL	NW4E	144.85	145.45	N	A
STANTONVILLE	KF4VM	144.79	145.39	N	
UNION CITY	WA4YGM	146.10	146.70	☆	A
UNION CITY	WA4YGM	147.615	147.015	☆	ARB
WATERTOWN	KE4WA	146.13	146.73	N	PA
WAVERLY	NO4Q	146.085	146.685	N	
WIGGINS (MISS)	KB5DZJ	144.67	145.27	☆	
WINCHESTER	N4NCM	146.22	146.82	☆	PA

220 MHZ

BROWNSVILLE	KB4YTU	222.60	224.20	N	C
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	WD4MQG	223.04	224.64	N	PA
CHATTANOOGA	K4VCM	223.18	224.78	D	A
CLARKSVILLE	KF4GP	222.34	223.94	N	
COLLIERVILLE	KB4YGI	222.80	224.40	N	
FISHERVILLE	N4DRL	223.28	224.88	N	
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	☆	
GREENEVILLE	WB4NKM	220.058	220.058	☆	BEA
GREENEVILLE	WB4NKM	223.34	224.94	☆	A
HERMITAGE	WB4RAB	222.30	223.90	N	
JOHNSON CITY	WA4UCI	223.18	224.78	N	
KNOXVILLE	WA4TEM	222.72	224.32	☆	AL
KNOXVILLE	WA4YON	222.86	224.46	☆	
KNOXVILLE	W4BBB	222.90	224.50	☆	
MEM/FISHERVILLE	N4DRL	222.90	224.50	D	AL
MEMPHIS	W4BS	222.82	224.42	D	
MEMPHIS	WA4KOG	223.18	224.78	N	C
MEMPHS/FRAYSER	W4ZJM	222.34	223.94	N	L
NASHVILLE	N4TB	222.42	224.02	N	
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	N4MEY	222.52	224.12	N	C
NASHVILLE	N4AWB	222.62	224.22	N	
NASHVILLE	KI4OG	222.84	224.44	D	PARB
NASHVILLE	N4MEY	223.06	224.66	N	
NASHVILLE	KI4OG	223.24	224.84	N	PARB
SHORT MTN.	KE4NP	222.66	224.26	☆	

MORE TENNESSEE REPEATERS

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	448.90	443.90	N	C
BROWNSVILLE	KB4YTU	449.45	444.45	N	C
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	W4AM	449.10	444.10	D	A
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	KF4GP	449.95	444.95		
CUMBERLAND CITY	N4GMT	448.40	443.40	N	PAT
FAYETTEVILLE	KO4G	448.10	443.10	N	
FISHERVILLE	N4DRL	432.01	BEACON		N
FISHERVILLE	N4DRL	449.30	444.30	N	AL
FRANKLIN	KB4IDB	448.85	443.85	N	
GALLATIN	WD4BKY	449.35	444.35	N	PALT
GALLATIN	WD4KWP	449.45	444.45	★	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GREENEVILLE	WB4NKM	449.65	444.65	★	
J.CITY/HOLSTN MT	WB4SQC	448.425	443.425	D	
JACKSON	WB4EPG	447.80	442.80	N	A
JAMESTOWN	N4PTK	448.625	443.625	N	C
JASPER	KD4XV	447.05	442.05	★	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	K4HXD	449.30	444.30	N	
KNOXVILLE	KB4KSL	449.50	444.50	N	
KNOXVILLE	KB4NK	449.60	444.60	★	
LAKE CITY/CRS MT	WD4LUR	448.00	443.00	★	PA
LAUREL (MS)	AJOX	448.50	443.50	★	ARB
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	N4ERU	421.25	439.25	N	V
MEMPHIS	N4ERU	439.25	421.25	N	ATV
MEMPHIS	WB4EPG	447.625	442.625	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	N	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	KAOBRN	448.975	443.975	N	C
MEMPHIS	WA4ADT	449.00	444.00	★	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	WA4KOG	449.40	444.40	N	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	KOJXI	449.60	444.60	N	
MEMPHIS	WB4MMI	449.70	444.70	N	T
MEMPHIS	KOJXI	449.80	444.80	N	
MEMPHIS	WB4MMI	449.90	444.90	N	L
MEMPHIS	WA4ETE	449.925	444.925	★	
MEMPHIS	WB4KQQ	449.95	444.95	★	T
MILAN	WD4ABJ	447.10	442.10	N	
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	★	A
MT JULIET	WB4PVB	448.05	443.05	★	PA
NASHVILLE	KI4OG	449.05	444.05	D	TPA
NASHVILLE	KI4OG	449.575	444.575	D	C
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WB4QES	449.775	444.775	N	
NASHVILLE	WB4QES	449.975	444.975	N	
OAK RIDGE	K4EAJ	449.40	444.40	★	L
OAKFIELD	WA4BJY	447.20	442.20	★	
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
ROCKWOOD	KB4NEI	449.00	444.00	★	C
SMYRNA	KJ4RM	449.25	444.25	N	

10 METERS

DONELSON	WA4BZU	29.54	29.64	N	
JACKSON	NQ4W	29,54	29.64	★	C
KNXVL/ENG MT	WB4IOB	29.52	29.62	★	
MEM/FISHERVILLE	N4DRL	29.58	29.68	D	AL
MEMPHIS/FRAYSER	W4ZJM	29.52	29.62	N	
UNION CITY	WA4YGM	29.56	29.66	N	

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
ELLISVILLE(MISS)	N5DWU	52.01	53.01	★	PAL
GALLATIN	WD4KWP	52.45	53.45	★	L
GREENEVILLE	K4LSP	52.01	53.01	N	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
KNOXVILLE	WA4YON	52.25	53.25	★	
KNOXVILLE	WB4GBI	52.35	53.35	★	O
KNXVL/ENG MT	WB4IOB	52.15	53.15	★	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	D	AL
MEMPHIS	WA4KOG	52.01	53.01	N	
MEMPHIS	K4RDK	52.55	53.55	N	
NASHVILLE	N4ARK	52.525	52.525	N	LRB

PACKET

BRISTOL	WX4S-1	145.01	PKET	★	K
CASTALIAN SPRNGS	WA4PTZ	145.01	PKET	D	K
CHATTANOOGA	W4DSK-1	145.01	PKET	N	K
CROSSVILLE	N4LLD-1	145.01	PKET	N	K
GALLTN/MUSIC MT	WA4PTZ-1	145.01	PKET	N	K
GREENEVILLE	K4VZZ-1	147.48	PKET	N	K
HORNBEAK	WA4VVX-5	145.01	PKET	N	K
JACKSON	WB7BOX-1	145.01	PKET	★	K
KINGSPORT	N4NBX	145.04	PKET	N	K
KNOXVILLE	KC4OI	145.01	PKET	N	K
KNOXVILLE	WB4YPO-1	145.63	PKET	★	K
LAKELAND	AI5R	145.01	PKET	N	K
MEMPHIS	WB4KQQ-1	145.01	PKET	★	K
NASHVILLE	W4HHY	145.01	PKET	N	K
NASHVILLE	WA4KDC-2	145.01	PKET	N	K
NASHVILLE	WA4KDC	433.80	PKET	N	KL
PIKEVILLE	K4MJM-1	145.01	PKET	★	K
ROCKWOOD	AA4KS-1	147.48	PKET	N	K
ROCKWOOD MT	KB4NK-1	145.01	PKET	★	K
SEWANEE	WD4CPF-1	145.01	PKET	N	K
SEWANEE	WD4CPF-2	433.80	PKET	N	KL
SHORT MT	W4YXA-1	145.01	SM	★	K
WAVERLY	WA4VVX-3	145.01	PKET	N	K
WAVERLY	WA4VVX-4	433.80	PKET	N	KL
WINCHESTER	WD4CPF-2	145.01	PKET	N	K

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	WD4EVD	147.885	147.285	★	PA
ATHENS	WA4BKF	146.145	146.745	★	PA
ATHENS	K4TQU	147.975	147.375	N	
ATLANTA	W4VTA	144.51	145.11	★	
ATLANTA	W4AQL	144.55	145.15	D	PA
ATLANTA	K4DRQ	144.69	145.29	D	
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	W4DOC	146.22	146.82	N	PA
ATLANTA	N4OD	146.37	146.97	N	
ATLANTA	WA4NNO	146.40	147.00	N	PA
ATLANTA	K4YSB	147.705	147.105	D	R
ATLANTA	K4SMX	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	★	PAL
ATLANTA, NORTH	WB4DOJ	146.10	146.70	★	PA
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	★	
ATLANTA/GPCO	WA4VBX	147.885	147.285	★	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	D	EAL
ATLANTA/MARIETTA	N4NEQ	147.94	147.34	D	PANB
ATLANTA/STONE MT	W4BOC	146.16	146.76	D	
ATLANTA/SWEAT MT	K4LCI	144.83	145.43	N	EA
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	★	LK
AUGUSTA	W4TUN	144.51	145.11	★	A
AUGUSTA	AA4UA	144.77	145.37	N	A
AUGUSTA	N4JA	144.89	145.49	D	
AUGUSTA	W4LWT	146.04	146.64	★	K
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	D	PA
AUGUSTA	NI4S	147.72	147.12	N	PA
AUGUSTA	N4BMA	147.78	147.18	N	RPA
AUGUSTA/GRNS CUT	WD4COL	144.63	145.23	N	A
BALDWIN	WD4NHW	147.78	147.18	★	A
BIRMINGHAM(AL)	N4IQT	144.59	145.19	N	

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

MORE GEORGIA REPEATERS

BONAIRE	W4MST	147.615	147.015	D	
BRUNSWICK	KB4PXX	144.81	145.41	N	P
BRUNSWICK	K4TVE	146.13	146.73	N	A
CAIRO	AA4RD	147.795	147.195	N	
CALHOUN	KC4AQS	147.405	146.805	☆	LA
CARROLLTON	W4FWD	146.04	146.64	☆	A
CARTERSVILLE	N4GIS	144.59	145.19	N	
CEDARTOWN	W4CMA	147.72	147.12	☆	PA
CLAYTON	WA4BLQ	144.65	145.25	☆	
CLEVELAND/LONG	K4FOW	146.31	146.91	N	
CLEVELAND/LONG	K4FOW	147.615	147.015	N	
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	WB4MLE	146.01	146.61	N	
COLUMBUS	N4AGO	146.28	146.88	N	
COLUMBUS-RTTY	K4ACH	144.77	145.37	N	R
CONYERS	WB4JEH	144.63	145.23	N	
CONYERS	KE4SG	147.81	147.21	N	PA
COOLIDGE	N4JBF	144.57	145.17	☆	P
CORDELE	WA4RWS	144.89	145.49	☆	
COVINGTON	WA4ASI	146.325	146.925	N	AL
CUMMING/SAWNEE	K4BYK	147.75	147.15	☆	PAL
DALLAS	K4DVJ	146.25	146.85	N	
DALONEGA	KJ4EV	146.835	147.435	☆	A
DALTON	N4BZJ	144.65	145.25	☆	A
DALTON	N4BZJ	147.735	147.135	☆	EAL
DALTON	KE4LN	147.81	147.21	D	
DOUGLAS	KB4TCU	147.765	147.165	N	
DOUGLASVILLE	KB4EO	147.96	147.36	N	A
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY/TALONA M	W4HHH	146.385	146.985	☆	A
FAYETTEVILLE	K4UWN	146.085	146.685	N	
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KQK	144.65	145.25	N	
FORSYTH	W4SPJ	147.315	147.915	N	NB
FORT MOUNTAIN	KE4UJ	144.63	145.23	☆	
GAINESVILLE	W4NSO	146.07	146.67	D	A
GRIFFIN	K4HYB	144.79	145.39	☆	PA
GRIFFIN	K4HYB	146.31	146.91	☆	
HARTWELL	KY4T	146.895	146.295	N	EA
HINESVILLE	KF4UM	147.615	147.015	☆	
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	☆	PARB
JASPER	W4OOM	146.10	146.70	☆	
JASPER(AL)	WB4ACN	146.30	146.90	N	
JASPER/MT OGLTHP	KC4AQS	147.405	146.805	N	PA
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	D	
JONESBORO	WA4DIW	144.57	145.17	☆	EA
JONESBORO	WA4OGE	144.73	145.33	☆	
LAFAYETTE	KB4VEK	147.975	147.375	N	
LAGRANGE	KO4R	146.25	146.85	N	O
LAGRANGE	WB4BXO	147.93	147.33	☆	
LANETT(AL)	K4DXZ	147.60	147.00	☆	
LEEDS(AL)	N4IQT	146.08	146.68	N	
LINEVILLE(AL)	WB4VBA	144.83	145.43	D	
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	☆	PA
MACON	W4BKM	146.06	146.66	D	NBPA
MACON	WA4DDI	147.66	147.06	D	T
MADISON	WB4DKY	146.265	146.865	☆	A
MARIETTA	WA4QPL	144.89	145.49	N	PA
MARIETTA	KC4KE	146.175	146.775	D	
MARIETTA	W4YFR	146.28	146.88	☆	
METTER	W4TYM	147.645	147.045	N	AEA
MILLEDGEVILLE	KF4LI	144.55	145.15	☆	PAT
MILLEDGEVILLE	KF4LT	146.205	146.805	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	D	PA
NEWNAN	K4SEX	146.19	146.79	☆	
OCONEE	KC4FAD	147.645	147.045	☆	A
PERRY	KB4KIN	146.355	146.955	☆	PAL
PERRY	WL7ACY	147.90	147.30	☆	AL
PHENIX CITY (AL)	WA4QHN	146.13	146.73	☆	
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	K4HNM	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	☆	PA
ROSSVILLE	W4FGQ	144.75	145.35	☆	
ROSWELL	N4CLA	147.66	147.06	☆	EAPA
SAVANNAH	K4NLX	146.10	146.70	D	PA
SAVANNAH	W4HBB	146.28	146.88	N	
SAVANNAH	W4HBB	146.37	146.97	N	A
SAVANNAH	K4NLX	147.81	147.21	D	PA
SNELLVILLE	WD4JXR	147.675	147.075	☆	PA
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	144.85	145.45	D	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETT	N4CLA	144.87	145.47	☆	EAPA
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	☆	A
THOMPSON	WB4OCB	146.235	146.835	N	C
TOCCOA	KA4DIP	147.93	147.33	☆	
TWIN CITY	N4REB	147.915	147.315	☆	P
TYRONE	W4PSZ	144.61	145.21	N	PA
UNION CITY	WA4UPE	146.025	146.625	N	
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	K4JFE	147.735	147.135	N	
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625	☆	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	☆	L
WARNER ROBINS	WB4BDP	146.01	146.61	N	
WARNER ROBINS	W4HON	146.25	146.85	☆	A
WAYCROSS	WA4GVG	146.04	146.64	N	
WAYNESBORO	WD4COL	144.63	145.23	N	
WRENS	WB4OCB	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	AL

220 MHZ

ATL/CHESTNUT MT	W4DOC	222.96	224.56	N	L
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	N	
ATLANTA	N4IQR	223.10	224.70	☆	
ATLANTA	KK4C	223.22	224.82	☆	PALRB
ATLANTA/BELL	W4ZTL	223.02	224.62	N	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	D	PAL
AUGUSTA	AA4UA	222.60	224.20	N	P
CANTON	N4KSM	222.92	224.52	N	
CARTERSVILLE	N4GIS	222.48	224.08	N	
CLEVELAND	N4RBT	222.78	224.38	D	
CONYERS	WB4JEH	222.42	224.02	N	
CORNELIA	WS4F	222.50	224.10	N	
CUMMING/SAWNEE	K4JSR	223.38	224.98	☆	PAL
DALTON	N4BZJ	222.44	224.04	☆	
DALTON	N4KVC	223.14	224.74	☆	EARB
DALTON	N4SLJ	223.18	224.68	☆	
GAINESVILLE	W4NSO	222.30	223.90	D	
MACON	W4BKM	223.06	224.66	D	
MARIETTA	WA4QPL	223.30	224.90	N	
PERRY	WL7ACY	223.24	224.84	☆	AL
PINE LOG MT.	WB4UPC	223.34	224.94	D	L
ROSSVILLE	KC4EV	223.34	224.94	N	
STONE MT	W4BOC	223.16	224.76	D	PA
THOMASVILLE	N4JBF	222.72	224.32	☆	AL
VALDOSTA	W4APS	222.38	223.98	N	
YORKVILLE	WB4UPC	222.34	223.94	D	
YORKVILLE	WB4UPC	222.46	224.06	D	L

440 MHZ

ALBANY	W4MM	439.25	427.25	N	
ALBANY	W4MM	449.50	444.50	N	
ATLANTA	W4KIP	439.25	421.25	N	V
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WB8LVH	448.50	443.50	D	
ATLANTA	KE4ZV	448.65	443.65	☆	
ATLANTA	W4DOC	449.45	145.67	N	RB
ATLANTA	WB4UWL	449.50	444.50	N	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	W4ZTL	449.15	444.15	☆	A
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	N	PAL
ATLANTA/MARIETTA	N4NFP	449.85	444.85	D	PA
ATLANTA/SE	WB8LVH	448.55	443.55	D	NB
ATLANTA/STONE MT	W4BOC	449.25	444.25	D	
AUGUSTA	N4JA	447.025	442.025	D	
AUGUSTA	NI4S	448.15	443.15	N	O
AUGUSTA	NA4I	449.95	444.95	D	O
BRUNSWICK	KB4PXX	439.25	421.25	N	V
CHATSWORTH	AA4EO	448.00	443.00	N	
CONYERS	WB4JEH	447.55	442.55	N	
CONYERS	N4EMM	449.75	444.75	N	C
COVINGTON	WA4ASI	447.925	442.925	N	L
COVINGTON	KL7TF	448.75	443.75	☆	L
DALTON	N4BZJ	444.85	444.85	☆	
DECATUR	N3APR	447.20	442.20	N	
DECATUR	WB4LBM	449.20	444.20	N	
ELLIJAY TALONA M	W4HHH	449.70	444.70	☆	
GRIFFIN	WB4GWA	448.90	443.90	☆	PA
HIGH PT/LOOKT MT	KB4VEK	448.45	443.45	N	
JASPER/BIG BUCK	N4OKS	448.80	443.80	N	
LANETT(AL)	K4DXZ	447.05	442.05	☆	
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
LINEVILLE (AL)	WB4VBA	449.00	444.00	D	
MACON	K4VTT	447.275	442.275	N	A
MARIETTA	KM4BA	448.60	443.60	N	
MARIETTA	K4PQD	449.05	444.05	N	
MARIETTA	KM4BA	449.325	444.325	N	
MT OGELTHORPE	WB4BFD	449.375	444.375	N	
NEWNAN	N4EBZ	449.675	444.675	D	PA
PERRY	KB4KIN	449.95	444.95	☆	PAL
PHENIX CITY (AL)	WA4QHN	449.20	444.20	☆	
RINGGOLD	KJ4IU	448.925	443.925	N	

ROCKY FACE	AA4EO	447.175	442.175	N	
SAVANNAH	KC4AZU	447.70	442.70	N	C
SMYRNA	N4IBW	449.65	444.65	N	
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT	N4CLA	448.20	443.20	D	
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	K4NEF	449.55	444.55	N	
VALDOSTA	W4APS	449.70	444.70	N	
WALESKA/PNLOG MT	KE4PN	448.85	443.85	★	L

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	KK4CC	29.54	29.64	D	L
ATLANTA	WB8LVH	29.52	29.62	D	L
DALTON	N4BZJ	29.58	29.68	★	AL

6 METERS

ATL/MARIETTA	WA4MPW	52.09	53.09	D	
AUGUSTA	K4EDU	52.03	53.03	N	P
CONYERS	WB4JEH	52.55	53.55	N	
LINEVILLE(AL)	WB4VBA	52.07	53.07	D	
PERRY	KB4KIN	52.13	53.13	★	O
PINE LOG MT	WB4UPC	52.05	53.05	D	L

1270 MHZ

ATL/CHESTNUT MT	W4DOC	291.40	271.40	N

PACKET

ADEL	KF4JF-1	145.01	PKET	N	K
ALBANY	W4MM-1	145.09	PKET	N	K
AMICACOLA MT	WB4GQX-4	145.09	PKET	N	K
ATLANTA/EAST	W4QO-1	145.03	PKET	D	K
AUGUSTA	WD4CNV-1	145.01	PKET	N	K
CLARKSVILLE	W4EAW-1	145.01	PKET	N	K
COHUTTA	W4KAU	145.09	PKET	N	K
COLUMBUS	K4ABT-1	145.01	PKET	N	K
CUMMING/SAWNEE	WB4GQX-1	145.01	PKET	N	K
FAIRMONT	AA4EO-1	145.09	PKET	N	K
FORSYTH	WB4GQX-2	145.01	PKET	N	K
LYONS	N4JWP-1	145.01	PKET	★	K
PERRY	KB4KIN-1	145.01	PKET	★	K
PERRY	KB4KIN-5	145.05	PKET	★	K
PINE MT/HAMILTON	WB4ULJ-1	145.01	PKET	N	K
ROME	NC4G-1	145.09	PKET	N	K
SAVANNAH	K4NLX-2	145.01	PKET	D	K
SAVANNAH	K4NLX-1	145.03	PKET	D	K
SAWNEE MT/CUMMIN	WB4GQX-1	223.70	PKET	N	K
SYCAMORE	WD4LYV	145.01	PKET	N	K
SYCAMORE	WD4LYV	145.05	PKET	N	K
WARNER ROBINS	K4AGT-1	145.01	PKET	N	K

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	N	
BECKLEY/EOC	N8FWL	144.77	145.37	N	LA
BECKLEY/FLAT TOP	K8BO	146.25	146.85	N	A
BLUEFIELD	W8MOP	144.89	145.49	★	PA
BOLT/BOLT MT	N8FRV	144.57	145.17	★	L
BRIDGEPORT	WB8DKM	147.72	147.12	★	PAT
BUCKHANNON	N8FHE	144.53	145.13	★	AL
BUCKHANNON	N8FHE	144.81	145.41	★	
BUCKHANNON	WD8L	146.25	146.85	★	
CHARLESTON	N8FMD	144.69	145.29	D	L
CHARLESTON	W8WHQ	144.83	145.43	★	
CHARLESTON	WB8IFS	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CHARLESTON	KD8TC	147.81	147.21	★	
CLARKSBURG	N8FMD	146.085	146.685	D	
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
ELK GARDEN	N8FMD	146.145	146.745	D	
FAIRMONT	W8SP	146.30	146.90	N	NB
FLAT TOP/WINTERP	N8BZS	146.025	146.625	★	
FRANKLIN	W3RUA	147.945	147.345	★	
GASSAWAY	WB8MZI	146.01	146.61	N	
GRAFTON	WD8LNB	147.975	147.375	★	L
HARRISVL/PENSBRO	WB8NSL	147.90	147.30	N	
HORSEPEN MT	NV8H	147.72	147.12	N	
HUNTINGTON	WB8FEQ	144.61	145.21	N	R
HUNTINGTON	W8VA	146.16	146.76	D	A
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	★	
KINGSTON/LICK KB	W8FG	144.87	145.47	★	
LAYLAND/MANN MT	N8BZS	144.71	145.31	★	L
LEON	WB8NMT	147.78	147.18	N	
LIBERTY	K8SLI	144.81	145.41	N	
LOGAN	WA8LZR	146.09	147.11	N	NB
LOGAN/SUMERCO	NU8K	147.945	147.345	★	L
LOGAN/WARD RK MT	KJ8E	146.37	146.97	★	PAL
MADISON	KA8JYR	144.53	145.13	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	
MARTINSBURG	WB8VAZ	147.855	147.255	M	
MCMECHEN	WA8ULB	146.31	146.91	★	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	★	PAL
MT STORM	K8VNQ	147.705	147.105	N	L
MULLENS/HRNDN MT	KC8IT	147.63	147.03	★	LARB
NEW MARTINSVILLE	WB8CSW	146.34	146.94	N	
NEW MARTINSVLLE	WB8CSW	147.54	146.94	N	NB
OAK HILL	K8CFT	146.19	146.79	★	EA
PARKERSBURG	WA8CRW	146.37	146.97	★	PA
PARSONS	KE8QC	144.73	145.33	★	LRB
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KC8WL	146.46	147.06	★	A
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
RICHWOOD	WB8YJJ	144.49	145.19	N	C
RICHWOOD	WB8YJJ	144.59	145.19	N	
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT/COAL	K8SLI	147.87	147.27	N	A
SHERRARD	KD8GL	146.115	146.715	★	PAL
SPENCER	N8APG	147.705	147.105	N	P
SPRUCE KNOB	N8HON	147.885	147.285	★	L
ST ALBANS	WB8GDY	146.40	147.00	★	
ST ALBANS	KA8SVR	147.75	147.15	★	PAL
ST ALBANS	K8WMX	147.975	147.375	★	R
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	★	
TERRA ALTA	KD8ZR	147.60	147.00	★	PA
UNION	WA8LLM	147.99	147.39	D	
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	PAL
WHEELING	WB8JGY	144.59	145.19	★	PAL
WHEELING	W8JDH	146.16	146.76	N	
WILLIAMSON	KE8FR	144.73	145.33	★	ARB

220 MHZ

FLT TP/WNTRPLACE	N8BZS	222.46	224.06	★
KINGSTON/LICK KB	W8FG	223.14	224.74	★
WILLIAMSON	KA8YYW	222.54	224.14	★

440 MHZ

BECKLEY	N8BZS	449.40	444.40	★	
BUCKHANNON	N8FHE	448.10	443.10	★	L
GRAFTON	WD8LNB	447.20	442.20	★	L
HUNTINGTON	WB8EZR	449.60	444.60	N	C
JANE LEW	N8FMD	449.875	444.875	D	
KINSTON/LICK KB	N8FRV	449.80	444.80	★	L
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	★	PAL
MOUNDSVILLE	KY8O	439.25	421.25	N	V
MULLENS/HRNDN MT	KC8IT	449.00	444.00	★	RBL
S. CHARLESTON	WB8CQV	449.95	444.95	N	

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	D	
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	NB
ST.ALBANS	KA8SVR	52.15	53.15	★	PAL

PACKET

HUNTINGTON	KA8EUU-1	145.01	PKET	N	K
LOGAN/BLAIR MT	WB8FQJ-1	145.01	PKET	N	K
MCMECHEN	WB8ZTV-1	145.01	PKET	N	K
PARKERSBURG	WA8CRW-1	145.01	PKB	★	K
ST ALBANS	K8SLI-1	145.01	PKET	N	K
WILLIAMSON	KA8YYW-1	145.01	PKET	★	K

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	KD4SN	146.34	146.94	☆	
ASHLAND	KA4DII	147.84	147.24	☆	PA
ASHLAND	WA8KWH	147.93	147.33	☆	A
DEANE	AK4U	144.61	145.21	☆	L
DOG FORK MT	N4MWA	147.765	147.165	N	
ELKHORN CITY	WB4WAU	147.60	147.00	☆	
GRAYSON	KF4JO	146.10	146.70	N	
GUTHRIE	KA4NNE	146.205	146.805	N	
HARLAN	WM4R	144.75	145.35	N	
HAZARD	K4VHF	146.07	146.67	☆	
JENKINS	WD4PDJ	147.99	147.39	N	
LEXINGTON	KC4TX	144.85	145.45	☆	PA
LOUISA	WA4SWF	146.13	146.73	D	EA
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MAYTOWN	AK4U	146.28	146.88	☆	L
MIDDLESBORO	W4PPM	144.63	145.23	N	
MOREHEAD	K4GFY	146.31	146.91	N	
MT. STERLING	WD4KNE	147.93	147.33	☆	PA
PAINTSVILLE	AK4U	146.19	146.79	D	PAL
PHELPS	KJ4YK	147.69	147.09	☆	
PIKEVILLE	N4IWZ	144.55	145.15	☆	PARB
PIKEVILLE	N4IXA	146.25	146.85	N	EAL
PIKEVILLE	WB4GEL	147.87	147.27	D	PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29	☆	RB
SALYERSVILLE	AK4U	147.90	147.30	D	L
WASHINGTON	WA4WMM	144.87	145.47	N	C
WINCHESTER	WB4ASZ	147.72	147.12	☆	EA
COVINGTON	WB8NON	144.81	145.41	☆	
COVINGTON	WB8NON	147.99	147.39	☆	A
CUSTER	KE4NS	147.99	147.39	☆	A
ELIZABETHTOWN	W4BEJ	146.38	146.98	☆	AL
GLASGOW	KAOBKD	144.81	145.41	☆	L
LAWRENCEBURG	KK4PL	144.69	145.29	☆	A
LOUISVILLE	N4NMC	147.67	147.07	☆	PA
NICHOLASVILLE	WB4CWF	144.89	145.49	☆	
SHELBYVILLE	KE4LR	147.60	147.00	☆	PA

Support SERA Today

220 MHZ

ASHLAND	KC4QK	222.34	223.94	☆	
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	N4ETG	223.02	224.62	N	A
LEXINGTON	WB8VMI	222.14	223.74	☆	

440 MHZ

ASHLAND	WB4TAT	449.975	444.975	☆	
LYNCH/BLACK MT	N4IZD	448.10	443.10	N	
CUSTER	KE4NS	449.975	444.975	☆	
ELIZABETHTOWN	W4BEJ	449.80	444.80	☆	L
LOUISVILLE	WA4MLF	447.50	442.50	☆	AL
LOUISVILLE	KA4WTT	449.10	444.10	☆	PA

6 METERS

FLAT GAP	N4MPM	52.45	53.45	N
GUTHRIE	KA4ZKL	52.23	53.23	N

PACKET

ASHLAND	KD4SN-1	145.01	ASH1	N	K
ASHLAND	KD4SN-2	446.50	PKET	☆	K
BEREA	KA4MRY-1	145.01	BER	N	K
ELIZABETHTOWN	W4BEJ-1	145.01	ET	N	K
ELKHORN CITY	WB4WAU-1	145.01	PKET	☆	K
FRANKFORT	KB4AGA	145.01	PKET	N	K
FRANKFORT	KB4AGA-1	145.01	FFT1	N	K
GREENSBURG	N4ICS	145.01	PKET	N	K
HAZARD	K4AVX-1	145.01	HAZ	☆	K
LEXINGTON	W4AUZ-1	145.01	LEX	N	K
LEXINGTON	WA4JAV-BB	145.01	PKET	N	K
LEXINGTON	KF4NB-BBS	145.01	PKET	N	K
LEXINGTON	KF4NB-BBS	145.09	PKET	N	K
LOUISA	WA4SWF-1	145.01	LOU	N	K
LOUISVILLE	W4MOP-1	145.01	PKET	N	K
PRESTONSBURG	WA4FHK-1	145.01	PBRG	☆	K
VERSAILLES	WB9TPG-1	145.01	VER	N	K
ELIZABETHTOWN	W4BEJ-1	145.03	PKET	☆	K

It's Not Too Late! Repeater Owners - Join SERA Full Membership

Join by April 15 for only $12.50 and Your Repeater(s) Will Reflect Full Membership in the May Repeater Journal, and you may name two persons to get the Journal. (Membership will expire Dec. 31, 1989)

Just fill out the form (or copy) below and submit with your check for $12.50, and MAIL TO: SERA MEMBERSHIP, P.O. BOX 24292, WINSTON-SALEM, N.C. 27114-4292.

SouthEastern Repeater Association, Inc.

FULL REPEATER MEMBERSHIP APPLICATION FOR YEAR ____________

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
				No. 1
				No. 2
				No. 3
				No. 4

Name two Full Member Representatives to CVRA-SERA (ONLY These Two Persons Receive A Journal)

Name ____________ Call ________	Name ____________ Call ________
Address ____________	Address ____________
City ____________ State ______ Zip ______	City ____________ State ______ Zip ______
Phone: ( ) ____________	Phone: ( ) ____________
ARRL Member ( ) Yes ( ) No	ARRL Member ( ) Yes ( ) No

Membership: New______ Renewal______ Fee Enclosed ( ) Yes ( ) No Amount:__________

Repeater Sponsor ______________________ Date__________

Startup Full Membership Reaches New Highs

North Carolina & Virginia Running Away!

Full Membership in SERA for 1989 has set an all-time record for the period. This year, as we close out the indexes for the February Journal we have logged 501 Full Member repeaters who have renewed for joined for 1989. (Repeater memberships expire on December 31 each calendar year.)

North Carolina and Virginia are the usual runaways in getting Full Memberships in, in fact, by a higher percentage than ever before, North Carolina leads the way with 126 repeaters in, with a 57.3% average, while Virginia tops the percentages with a whopping 75.8% average, totaling 122 repeaters. It should be noted that Virginia's percentage is more accurate this year than in past years. The Northern part of the state is coordinated by T-MARC. In the past, we had used the entire state's total of repeaters against Full Membership totals. In 1989, we have isolated the T-MARC repeaters, subtracted them from the SERA Virginia total, which reflects a more accurate picture of how Virginia SERA repeaters are doing in membership.

Of the 1,150 repeaters in SERA territory, and 501 members we have 45.2% Full Membership. This is ahead of previous years for this time period, and only 97 repeaters shy of the all-time record of 598 Full Member repeaters obtained the entire year of 1986.

In addition, we have 15 repeaters from "Western" Kentucky who have joined. That part of the State is being at present polled to see if repeater owners wish to join Eastern Kentucky and join SERA.

The State of Mississippi has 2 Full Member repeaters. Mississippi repeater owners are also being polled as to their preference of coordinators. The state presently is coordinated by Steve Grantham, N5DWU, who is actively attempting to get the state to join SERA as a District.

Alabama also has 1 Full Member in 1989.

The chart below shows breakdowns of the various states and how they are doing in Full Membership.

Repeater owners who have not returned their datasheets are reminded to do so as soon as possible. If you wish to join SERA, the form has that function too.

SERA FULL MEMBERSHIP-1983 TO DATE   Correct thru #326   1-25-89

STATE	FINAL 1983	FINAL 1984	FINAL 1985	FINAL 1986	FINAL 1987	FINAL 1988	CURR 1989	1989 MBR %	STATE RPTRS
N.C.	100	83	149	147	123	145	126	57.3%	220
S.C.	24	35	56	43	44	46	45	53.6%	84
VA.*	58	60	92	88	98	99	122	75.8%	203
W.VA	28	21	41	40	51	39	33	35.9%	92
TENN.	47	58	85	63	80	80	76	28.0%	271
GA.**	9	18	109	125	110	100	64	26.0%	246
EKY	1	4	18	21	19	15	17	50.0%	34
KY***	--	--	--	--	--	--	15	---	--
ALA***	1	1	4	67	7	5	1	---	--
MISS***	--	--	--	--	--	3	2	---	--
TOTALS	268	280	554	598	532	532	501	45.2%	1150

* Total Virginia & West Virginia lists also include Northern Va. and the Panhandle of WV. This areas are in T-MARC Territory. The 41 T-MARC rptrs in Va. are not incl. in mbrship percentage

**Ga.& EKY assumed SERA District Status in late 1985.

***AL,MS & KY not SERA districts and not counted in totals.

High Point Club Has Fair Booth

— by Mark McMahan, KB4MFP

During a week in September, the High Point (NC) ARC manned a booth at the Jaycees Guilford County Agricultural Fair. The club set up a table in the exhibition hall on the fairgrounds.

In conjunction with the display, the HPARC gave away a VCR. Club members sold donation tickets on the VCR which was obtained locally through a store. A video on ham related stories was continuously played back through the VCR for the public to see.

The club members were on hand from 6 p.m. to midnight each day to demonstrate Amateur radio. Most contacts over the air were made on 10 meter phone and 15 meter CW. The public asked many questions and were very impressed with the display.

Coy Hennis, WD4NHL outsold all club members by selling 905 tickets on the VCR. He received a plaque of appreciation at the next club meeting.

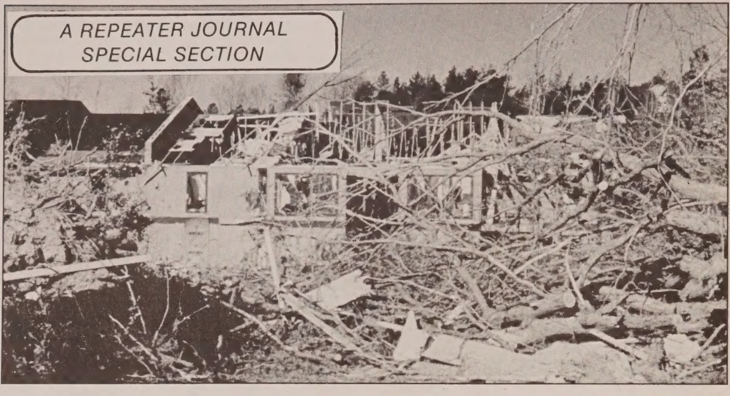
A comment was made by Sam Hall, K4AME, that next year we were going to buy freezers and send Coy to the North Pole to sell them.

HP
AMATEUR RADIO

High Point ARC member Sam Hall, K4AME mans the microphones at the club booth at the Guilford County (North Carolina) Agricultural Fair. The club manned their booth through the fair, demonstrating Amateur Radio to the public. (Photo ctsy: Mark McMahan, KB4MFP)

Sometimes Being A Ham Isn't Fun

A REPEATER JOURNAL
SPECIAL SECTION



NC TORNADOS. Destruction was everywhere in East Raleigh after tornados swept the area. Above, the Calibre Oaks Apartments lay in complete shambles. Unbelievably, no one was killed. (Photo by: Tom Swanson, K4IZE)

— by Bruce Eggers, WA9NEW

We've all had uninvited guests drop in. Sometimes they stay for only a few minutes but we remember them long after they've gone. North Carolina hosted an uninvited guest on the morning of November 28. We'll remember the visit for a long time to come. Thousands will remember it much longer than others. Hundreds will live in fear, they'll have cold sweats and recurring nightmares with every nocturnal lightning bolt and thunder clap for the rest of their lives. Four will never feel fear again.

The Tar Heel State is well protected from most severe weather. Certainly our coast is a prime target for hurricanes. There was a time when such storms struck with little or no warning. They still come by once in a while but meteorological satellites announce their pending arrival days in advance. That gives folks time to prepare. Even the unforgettable, devastating, killer tornado outbreak of 1984 was anticipated. That's little consolation to the thousands who lost loved ones, friends and neighbors, and a lifetime's collection of personal possessions. Insurance can rebuild a house but it can't replace a home. Thousands more now know that better than they'd like. And this time there was no warning, no chance to prepare.

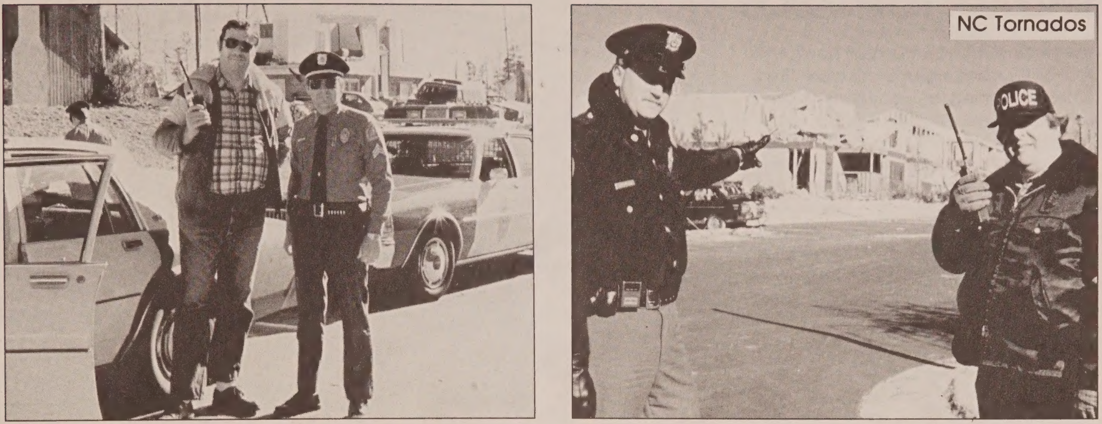
It had been one of those great Fall weekends that has us saying, "If North Carolina isn't God's country, why did He paint the sky Tar Heel Blue?" Even raking leaves isn't a chore when the sun is bright, the sky is blue, and the temperature is in the seventies. Long after the sun's gone down, it's still warm. There's a gentle breeze from the south and it sure feels good. We check the weather on the late news. A cold front is moving in from the west, some showers likely, a thunderstorm possible. Well, better close the windows before we go to bed.

Some of us are night owls. Some of us don't go to bed when the news goes off. It's getting close to one in the morning. I'm 'stroking the ivories' on the keyboard with a west window just to my left. Hey, was that lightning? Pause and listen. No, couldn't have been. Back to work. Again, a flash of light. Seconds roll by, then the faint rumble. Well, I'll be darned. It's getting close to time to pack it in anyway and, working without a UPS, I've long since learned the value of saving to disk when the sky lights up. I close up the shack and head out to the living room. I check the local channels and the cable Weather Channel. Nothing. The lightning is more frequent, the thunder louder. A few minutes out on the deck convinces me that the 'thunderstorm possible" is more than 'possible'. A quick check with the weather radio gives the same general information I'd heard earlier. Twenty-two years of experience as an Air Force weatherman tells me somebody blew it. This is more than what you call 'a thunderstorm possible'. But the bottom line to that thought is I'm 15 miles south of a storm moving east-northeast. So it's off to bed for a good nights sleep. Many others aren't so fortunate.

The story of the storm has been well told. Touch down was at 1:08 AM on the east side of Umstead State Park and just west of the Townridge Square shopping center, 7 miles northwest of the center of Raleigh. It moved rapidly to the east-northeast leveling the shopping center, businesses, apartments and homes through five counties. Later in the morning, additional storms struck in at least four coastal counties. By week's end the damage assessments mount to over $100 million, federal disaster assistance has been approved, charitable agencies are well on their way to collecting over $1 million in private contributions, and cities and counties from all over the state are sending in workers and equipment to help clean up the most devastated areas. (One of the first calls offering municipal help came from Red Springs, the little Robeson County town that was so devastated during the March 28, 1984 outbreak.) And about 150 hams know that sometimes being a ham isn't fun.

Continued on Page 37

MAPPING strategy. Amateur emergency leaders coordinate placing Amateur Personnel wherever needed by civil emergency and police authorities. Mike Clark, AA4YH, Wake County EC, Tom Hall, KA4ELD, Durham County EC, and Reed Whitten, AB4W, NC Section Manager stand in front of what was once a billboard before the tornado struck east of Raleigh. (Photo by: Tom Swanson, N4IZE)



NC TORNADOS. Amateurs worked feverously with local law enforcement and rescue personnel to try to restore order to a badly damaged section of East Raleigh. Every police car had a ham to provide cross communications with other civil authorities. Upper left, Dave Griffiths, WA2FWL on patrol with Raleigh Police Department's Sgt. O. Perry. Upper right, Ed Paris, WA4AAV on neighborhood watch patrol with Raleigh Police officer Mike Murray. (Photo by: Tom Swanson, K4IZE)

Quite a few discovered that for the first time. Many more have known it for a long time.

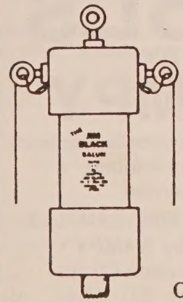
Among those who have known it for a long time are our SM, Reed, AB4W, and our ASM, Ed, AB4S. Ed's wife, Lena, still up, takes the call at about 1:15. It's Sam, WB4ROC, and he wants to talk to Ed. As Ed will admit, and Lena will verify, that's not going to be easy at this hour of the morning before a workday. But this is not going to be an easy day. Within minutes the hams are up and at it. Ed activates an emergency response net on the K4ITL 28/88 repeater and calls AB4W. DEC KI4ME and EC AA4YH are rousted. Reed finds that '911' is blocked and gets through to the State Highway Patrol. Yes, the world is not and the State Emergency Response Team is being notified. KA5IEC is out making damage assessments and helps establish the first emergency shelter at a nearby fire station. The Wake County command post is being established at the shopping center. AB4W is there to meet them. WB5ZPQ gets a call from his son, an EMT with Raleigh Rescue who knows he's got to get hams involved. The SERT is assembling at the EOC. AA4YH and WB5ZPQ are there to meet them. N4UE activates the Red Cross chapter house. The Lynn Road school is designated the primary shelter. Hams know there is no power at the school. Martin Middle School becomes the primary shelter. It's W4SWA who's there to meet the shelter volunteers and victims.

The operation continues for a full week. Monday is filled with getting in needed suppliers, meeting the short-term needs of the ill and the elderly, helping locate survivor's families, and planning for the coming night. Tuesday becomes more controlled. Some of the areas which were hit hard had underground utilities. Surprisingly, people return to homes classified as 'totally destroyed' to find a working telephone buried under the rubble in a basement game room. Initial clean-up is well under way. Fewer need continued emergency shelter. Major area employers grant liberal leave time to employees to assist family, fellow employees and friends. Utility crews and municipal and county workers start to get things in hand. By mid-day Wednesday, dedicated Amateur Radio support is released by the State Emergency Management Division. It isn't until Thursday that our most extensive tasking comes.

Most major arteries through the dozens of square miles of devastation are open to traffic. Many of the residential streets are passable. The Raleigh Police Department has transitioned from a 'rescue and recovery mode' to a 'protection of property' operation. They're mounting an extensive 'Community Watch' program involving hundreds of volunteers, most of whom are residents of the stricken area, to prevent looting. They'll have problems being able to communicate with the volunteers. They coordinate the effort with the State Emergency Management Division. It's the emergency management folks who know what Amateur Radio can do. They give Reed's work number to the police. They want two hams to be collacated with a police officer in each of five geographical regions from 7 PM to 7 AM. Add a net control and another ham with the Watch Officer and you need 12 hams per shift. N4SSU, Public Service Director for the Raleigh Amateur Radio Society, agrees to direct the recruitment and coordination effort. By 7 PM we have over a dozen hams at a meeting with the volunteers and the police at the police station.

A decision is made to schedule the hams in four hour shifts. That's 36 slots for

Continued on Page 38



BALUNS & CENTER INS.

All Have Stainless Steel Hardware

5kw Air Wound	$25.00	$30.00
2kw Ferrite Core	15.00	18.00
Center Ins.	6.00	8.00

WE PAY POSTAGE

Dealer Inquiries Welcome

THE JIM BLACK BALUN MFG. CO.

Route 2, Box 382

Athens, Tennessee 37303

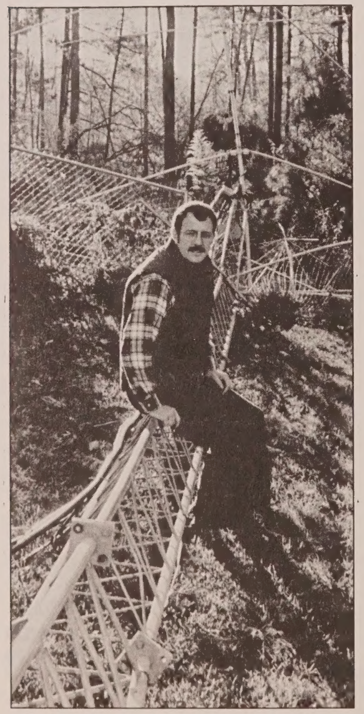
Office Ph. 615-745-4203 Home Ph. 615-745-7171

RAISEIGH TORNADOS

Continued from Page 37

the night. Within a couple of hours, the rest of Thursday night is covered. Time to start planning for Friday night, should we be needed again. It's late Friday afternoon when the ground rules are changed. The operation went so well Thursday night and the weekend traffic volume will be so high, can hams provide continuous coverage from 7 PM that night until they cease the operation at 7 AM Monday morning? Again, at 7 PM a dozen hams are at the police station to meet with the volunteers and responsible officers. Hams cover a total of 216 four hour shifts.

That's the first dedicated and intensive involvement between the city police and Amateur Radio. State officials know what hams can do. Wake County officials know what hams can do. The National Weather Service, the Red Cross, '911', United Way, and virtually every charitable, non-profit public service group in this part of the state knows what hams can do. It seems the Raleigh Police Department didn't know.



JEFF PARKER, WA1WXL sits dejectedly on what was once his 85-foot self-supported tower. The tornado took down his system included HF tri-bander, VHF and UHF and satellite arrays. (Photo by: Thomas Swanson, N4IZE)

NA4G, Bob Keys of Raleigh lost his home in the Tornados. He enlists the aid of Rollin Ransom, NF4P, and Walter Van Gieson, AB4DQ to salvage what could be found from the destruction. Only a portion of the front wall of the house remained. (Photo by: Tom Swanson, N4IZE)

It was the police department representative at the critique in the EOC the following Friday who was most vocal. You always expect the agencies you support to be complimentary and they always are. You try to let the compliments go out the other ear after the words have been filtered for useful suggestions. The biggest problem you have at a meeting like this is getting them to tell you how you could have done the job better. Many of the people you work with directly during these operations are themselves volunteers or, at best, salaried 'planners' who only rarely get directly involved in operations. They know they couldn't do their job without you and all you cost them is an occasional cup of coffee, if it's available. But a major metropolitan police deparrment is a large, well organized group of highly trained and dedicated professional people who make a career of handling life-or-death emergencies. It's fair to assume that the senior leadership in such an organization may well have reservations about integrating a bunch of 'amateurs' into the communications network needed to protect the public. They should be demanding, critical, and not likely to pass faint praise. None of the hams at that meeting expect the words we hear from the police representative.

We were told the words were the words of supervisors, watch officers and senior officials. The words were, "We should be so well organized", "Now that's radio discipline", and "We couldn't have done it without the hams". We should have guessed. You don't get a longer return booking if you bomb the first night. But it's hard to let those words go out the other ear. You know what it means when someone says, "Consider the source". We have. Most of us consider these words to have come from the Sourse. It felt good. We've been invited back for yet a better chance to meet the provision of 97.1 (a). Now we've just got to get them to tell us how we can do it better!

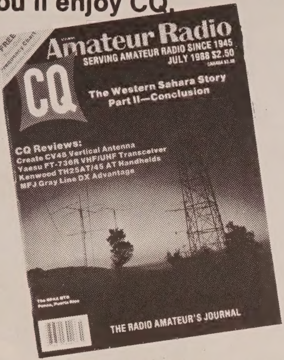
It's hard to imagine how one can use the word "lucky" in such a tragic disaster. But Amateur Radio, in its role ". . . as a voluntary noncommercial communications service, particularly with respect to providing emergency communications" was indeed 'lucky' The start point was less than five miles from the heart of the Research Triangle Park. There are very few places in the country with more hams per capita. AB4W is not the Section Manager of the

Continued on Page 39

QSLs
BY
W4MPY

* 100% Satisfaction Guaranteed
* Top Quality Printing
*Fast Service
(WRITE FOR FREE SAMPLES)
QSLs by W4MPY
705 Audubon Circle
Belvedere, SC 29841

If you enjoy Amateur Radio, you'll enjoy CQ.


CQ
Amateur Radio
SERVING AMATEUR RADIO SINCE 1945
JULY 1988 $2.50
The Western Sahara Story
Part II—Conclusion
CQ Reviews:
Create CV48 Vertical Antenna
Yaesu FT-736R VHF/UHF Transceiver
Kenwood TH25AT/45 AT Handhelds
MFJ Gray Line DX Advantage
THE RADIO AMATEUR'S JOURNAL

It's a different kind of ham magazine. Fun to read, interesting from cover to cover, written so you can understand it. That's CQ. Read and enjoyed by over 80,000 people each month in 116 countries around the world.

**It's more than just a magazine.
It's an institution.**

CQ also sponsors these thirteen world famous awards programs and contests: The CQ World Wide DX Phone and CW Contests, the CQ WAZ Award, the CQ World Wide WPX Phone and CW Contests, the CQ World Wide VHF WPX Contest, the CQ USA-CA Award, the CQ WPX Award, the CQ World Wide 160 Meter Phone and CW Contests, the CQ Five Band WAZ Award, the CQ DX Award, and the highly acclaimed CQ DX Hall of Fame, and two new awards designed just for Novices!

Also available in a Spanish language edition. Write for rates and details.

SUBSCRIBE TODAY!

CQ
The Radio Amateur's Journal
76 North Broadway
Hicksville, NY 11801

**Please start my CQ subscription with the next available issue.
Enclose payment or charge information with order. Term and Rate (check one):**

	USA	VE/XE	Foreign
1 Year	☐ 19.95	☐ 22.	☐ 24.
2 Years	☐ 38.	☐ 42.	☐ 46.
3 Years	☐ 57.	☐ 63.	☐ 69.

Paid by: ☐ **Check** ☐ **Money Order**
☐ **VISA** ☐ **MasterCard**

Card Number: Expire Date:

Allow 6-8 weeks for delivery of first issue.

Name
Street
City
State or Country **Zip**

NC TORNADOS. Richard Thorne, WB5M and Lewis Spurlin, N4NCT stand in front of a demolished house in Raleigh, where a 9 year old girl died following the collapse of the chimney. Both, on the scene almost immediately were involved in the unsuccessful rescue and transport. Photo by: Thomas Swanson, N4IZE)

NC Tornados

Continued from Page 38

North Carolina Section because he's worked 3,000 counties. He didn't appoint AB4S to be ASM because he's in the top ten on the DXCC Honor Role, KI4ME to be DEC because he's a great contest operator, nor AA4YH to serve as EC because he holds WAS via EME. N4SSU isn't Public Service Director for RARS because he's a technical expert. And Tom, N4MYB, NC SEC, doesn't hold that job because he holds a record for 10 gHz DX. But Tom, past Wake County EC, lives 120 miles away. There's little he need do when the disaster occurs in the backyards of such experienced hams.

We were 'lucky' because the disaster area was relatively small. Most hams were not directly affected. Most normal communications were undistrubed. Most emegency response personnel were available. But most of all, we were "lucky" because a lot of hams who'd never before been involved in a real emergency, were. And we-'ll be better prepared the next time.

There are a lot of fun things you can do with a ham ticket, but sometimes being a ham isn't fun.

Tornado On Christmas Eve

— by Lance L. Lewis
Asst. Director Middle Tn.

On December 24th at approximately 6:20 AM, a class 4 tornado ripped through home's and businesses in North Williamson county in middle Tennessee.

One person was killed and damages were estimated to be upwards to 25 million dollars or more in lost homes; businesses and property.

At 7:00 AM Brad Adams (N4PYI), a member of the Skyward group for the National Weather Service, called the WX net into session on the 146.940 (WA4PCD) RPT. which is used for Wx nets on Tuesday evenings at 7:00 PM.

There were many check in's to the net including Chess McKinney (WA4HNN) of Brentwood, Tn. Who's home was in the path of the tornado but luckily escaped heavy damage. His next door neighbor lost everything.

At 7:45 AM Truett Smith (N4TK) was called by John Almon (WA4VOY), of the Williamson county rescue squad, to assist in making phone patches through the 146.880 (WA4TOA) RPT to relieve the over loaded phone lines in that area. Many of the rescue squad volunteers are hams.

Our sympathy goes out to the family of the man who lost his life and to the families who lost their homes, on CHRISTMAS EVE.

F & M - Your Complete North Carolina ICOM Dealer

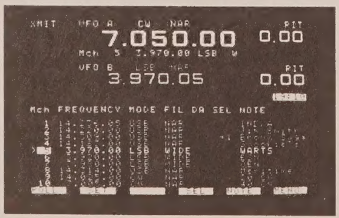
ICOM IC-781

14.131.25
0.00

THE FUTURE OF AMATEUR COMMUNICATIONS

Once in a lifetime, a transceiver is introduced that's so extraordinary and innovative that it opens a totally new era in HF communications. ICOM's pacesetting IC-781 proudly exhibits that hallmark achievement with futuristic designs and features of true legendary proportions. Whether DX'ing, contesting, pioneering new interests or enjoying unquestionable top-of-the-line performance, the IC-781 is indeed today's standard of excellence!

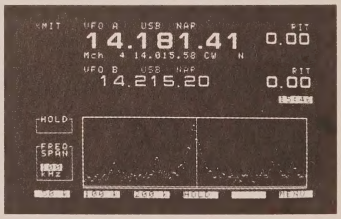
Multi-Function Five Inch CRT. Displays frequencies, modes, memory contents, operating notes, RIT, two menu screens, plus a panoramic view of all signals in a selected range. A portion of the screen also serves as a display for data modes like RTTY, AMTOR, and PACKET.



```
XMIT   VFO A   CW   NAR                RIT
         7.050.00                     0.00
       Mch  5  3.970.00 LSB  W
       VFO B   LSB  NAR                RIT
         3.970.05                     0.00

Mch FREQUENCY MODE FIL DA SEL NOTE
 5    3.970.00 LSB  WIDE         WARTS
```

Unique Spectrum Scope. Continuously indicates all signal activities and DX pileups with your operating frequency in the center. Selectable horizontal frequency spans of ±50, ±100, and ±200KHz for each side of the frequency you're listening to. Vertical range indicates relative signal strengths. A contester's dream!



```
XMIT   VFO A   USB  NAR                RIT
         14.181.41                    0.00
       Mch  4 14.015.58 CW    N
       VFO B   USB  NAR                RIT
         14.215.20                    0.00

HOLD
FREQ
SPAN
 kHz
```

Dual Watch. Simultaneously **receives two frequencies in the same band!** Balance control adjusts VFO A/B receive strength levels. You can check additional band activity, even tune in your next contact, while in QSO without missing a single word!

DX Rated! 150 watts of exceptionally clean RF output. Easily drives big amplifiers to maximum power.

Twin Passband Tuning with **separate controls for second and third IF stages!** Increases selectivity and narrows bandwidth, independently varies low and high frequency response, or functions as IF shift. **It's DX'ing Dynamite!**

Dual Width Noise Blanker includes MCF filter plus **level and width controls** to eliminate pulse and woodpecker noise with minimum adjacent-signal interference.

Incomparable Filter Flexibility. Independent selection of wide and narrow SSB filters plus CW filters. Second and third CW IF filters independently selectable!

A Total Communications System! Includes built-in 100% duty AC supply, high speed automatic antenna tuner, iambic keyer, semi-automatic, or full QSK CW break-in to 60 wpm, Audio Peaking Filter (APF), RF speech processor, multi-scanning, 105dB dynamic range, all-band/all-mode receiver with general coverage, and much more!

ICOM Dependability. The phenomenal IC-781 is built for action and backed with the most extensive warranty in the industry.

See the IC-781

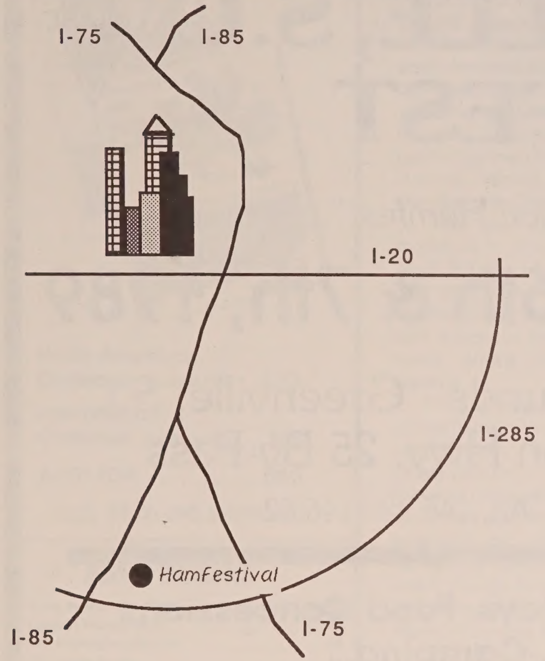
ICOM

● Parts ● Accessories ● Microphones ● Batteries ● Books ● Antennas

F&M ELECTRONICS
Frank N4AZM & Mae Wyatt

3520 ROCKINGHAM ROAD NORTH
GREENSBORO, N.C. 27407
(919) 299-3437
9:00 a.m. to 7:00 p.m. Daily Closed Mondays

Atlanta HamFestival
July 8 & 9



1989 Atlanta HamFestival
July 8,9 1989

The HamFestival is now just South of downtown Atlanta at the new Georgia International Convention & Trade center. This exciting facility offers:

- Plenty of free parking
- Parking area for RV's
- Hotel rooms on site
- Secure facility
- All parking within 75 yards
- Three on site restaurants
- Air conditioned exhibit halls

The tradition of excellence continues with:

- Super forums!
- New outside tailgate area for those colossal treasurers
- No Down Town congestion
- Large air conditioned indoor fleamarket area
- Fantastic dealer facility
- All the major manufacturers will have their latest
- Door prizes - Door prizes - Door prizes - Door prizes

For More Information write:
Atlanta HamFestival
PO Box 77171
Atlanta, Georgia 30357

OR

Call
404-233-6747

1989 Atlanta HamFestival - July 8 & 9

50th ANNUAL

GREENVILLE, S.C. HAMFEST

"The Olde Fashion Hamfest"

Saturday, May 6th & 7th, 1989

American Legion Fairgrounds - Greenville, S.C.
1 Mile North of I-85 on Hwy. 25 By-Pass

Talk in 146.01 - 146.61 Alt. 146.22 - 146.82

Flea Market, Dealer Displays, Food Concessions
Free Parking, Camping.
Prizes: Hourly, Door, Preregistration
Plus Saturday & Sunday Grand Prizes

For Advance Tickets, Make Checks Payable To:

Blue Ridge Amateur Radio Society, Inc.
P.O. Box 6751
Greenville, S.C. 29606

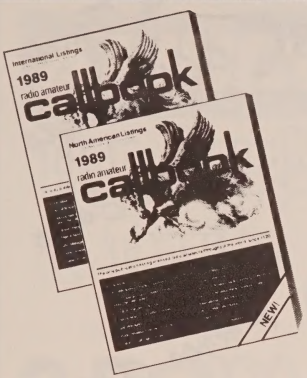
★ ★ SEND SASE ★ ★

TICKETS

$4.00 Advance - $5.00 @ Door • Extra Prize Tickets 6/$5.00 13/$10.00

Dealer Inquiries Invited

1989 CALLBOOKS



North American Callbook List Price $26. . . $23

International Callbook List Price $29. . . $24

BOTH FOR $45

ADD $2.00 UPS SHIPPING!

ARRL BOOKS

Tune In World, w/Tapes	$15
Tune In World, Book	$12
Lic. Manuals (Specify)	$5
FCC Rule Book	$5
ARRL Repeater Dir.	$5
ARRL Operating Manual	$15
1989 Handbook	$21
(New) Antenna Book	$18
W1FB Antenna Book	$8
Code Tapes (specify)	$5
Get Connected (Packet)	$13
Gateway to Packet	$10
Satellite Exper. Book	$10
Satellite Anthology	$5
Grid Locater Atlas	$4
Logbook (Spiral)	$2.50
Minilog Logbook	$1.75
Radiogram (3 pads)	$2.50

Add $1.75 Shipping Each Order
Sorry NO Credit Cards
Phone CODs Add $2.50 Extra
N.C. Residents Add 5% Sales Tax

ALINCO

WILLIAMS
RADIO SALES

600 Lakedale Road
Colfax, N.C. 27235
(919) 993-5881 Noon – 10 pm EST

Journals Mailed Across Tennessee

In December, a special "Tennessee" Edition of the Repeater Journal was mailed to 8,700 hams across Tennessee. The condensed version of the November Journal had a special message from the Tennessee Director and Vice-Director, urging each Amateur to join SERA and support coordination efforts for that State.

"Our obvious reason for such a massive undertaking was to try to bolster our membership numbers," said David Ward, KA4LVO, SERA Membership Chairman.

"We are hoping for over a 1,000 members," said Wayne Williams, K4MOB, Editor of the Repeater Journal, "But as of now, they are kinda slow coming in." "One thing's for sure, there isn't a ham in Tennessee that doesn't know about SERA and Repeater Journal."

"I just hope we were able to convince them to join our organization," Williams continued. "I guess we'll know in a couple of months if the job and effort was worth it."

Ward said that presently less than one-half of one percent of the Tennessee hams are members of SERA, even though three of our four officers and three Directors, Vice Directors and Assistants come from that State.

This was the reason this state was chosen to try the bulk mail Special Edition. If it is successful, we'll try another state, and keep going along as we at least break even.

Williams and Ward both agree, as of now, they were not overly optimistic about the outcome, at least with the response thus far.

220 Mhz. Digital Channel Added

At the request of Digital interests in South Carolina, and with the information that the frequency of 223.40 was a heavily used standard frequency around the country, the SERA board transfered that frequency from FM Simplex to Digital Simplex in its Frequency Utilization plan for 220 Mhz.

This now makes the SERA suggested 220 Digital simplex channels: 221.05, 221.15, 221.25, 221.35, 221.45, 223.40, 223.42 and 223.58.

This action was taken at the January SERA Board meeting, and is effective immediately.

Letter to the Editor:

Among Friends????

I have always enjoyed a hamfest. I go whenever possible. Greensboro (NC) has always been sort of special since I get a chance to have Thanksgiving with my family that are strung out between Raleigh, Greensboro and Augusta, Ga., and visit with ham friends as well.

"Ham friends"... I had come to believe that all hams were my friends and felt comfortable at these gatherings. All that changed at this years Greensboro meet.

I travel a lot and had purchased an ICOM Micro 2AT that I have enjoyed using from coast to coast. To avoid the hassel of explaining the HT every time I went through security at an airport, I put the little HT in a Texas Instruments pocket computer case. Every security person is used to seeing these devices come through and I had no further problems. (I never used the HT while on a plane, by the way).

Well, it seems this was a bad idea in the final analysis. While at the Greensboro Hamfest, I had my pride and joy with the strap around my finger when I spotted a bargain book sale. Save a buck on a manual! How could I pass that up? To get at the money pocket I had to unstrap the TI case and I laid it down on the book pile. The dealer offered me a bag to put all my junk in and I dumped it all - but the HT. I was only gone a minute, but the HT was gone when I got back. The dealer said someone asked him if it was his, and he said no, and let them walk off with it.

Ernie was kind enough to broadcast my plight and plea over the PA system at the hamfest, and was most reassuring in his belief that a **Friendly Ham** would turn it in. No such luck. I left feeling I had been among friends, they just weren't all mine. . . .

Just in case someone found the ICOM Micro 2AT and did not hear the Public address system, the serial number is 01057 and of course I'll accept collect phone calls and pay shipping leading to it's return.

Dan McMillin, W4DGE
11 Christopher Drive
Long Valley, N.J.
(201) 876-3822

Vendors
Goodies
Fun

umpteenth annual

Durham Hamfest

Swap & Trade
Old Friends
Y'all Come

DURHAM FM ASSOCIATION
THE BULL CITY REPEATER
DURHAM N.C.

Prizes Galore

Prizes Galore

Computers too

Other Door Prizes

Saturday, May 27th 1989

Lower Rear Deck South Square Mall
Covered - Rain or Shine

8 A.M. until 4 P.M.
$4.00 at the door (still the same)
Free Tail Gating
Tables for Rent

the Friendly Repeater
WA4WTX/R
Talk In 147.825/.225

FCC EXAMS by pre-registration only! Bring Form 610, and $4.75. To register contact: Pete Goolsby KY4Y, 120 Radcliff Circle, Durham, N.C. 27713

the Durham FM Association

For Information. . . . . W4ZUS - Mick Rankin (919) 544-3556

Major prizes obtained from ICOM/F&M Electronics and Williams Radio

DR-110T VHF FM MOBILE TRANSCEIVER

ALINCO

Tiny, Tough, & Terrific

The "Hot Ones" Get Hotter!
NEW!
List Price $429.00
VHF FM TRANSCEIVER
DR-110
REV
DUAL
ENC
DEC
885.00
M2
OVER
ALINCO
H/L
POWER
VOL
SQL
110

Williams Price!

359⁰⁰

PLUS FREE UPS Shipping

We pay UPS Shipping, N.C. Res. Add 5% Sales Tax. NO CREDIT CARDS. Add $2.50 for phone CODs.

You Cannot Do Better With Alinco & Williams!

The ALINCO DR-110T/110E, 2m FM Mobile Transceivers have been specially designed to condense maximum performance and operating convenience into an ultra compact package. An impressive array of features give maximum flexibility in mobile installations.

High Output Power
The DR-110T/110E provide a powerful 45Watts of RF Output with HI/LO powerswitch.

Compact Size and Lightweight.
140(W) × 40(H) × 170(W)mm (5 — 1/2" × 2" × 6 — 3/4") at 1.1Kgs(2.42 1bs)

14 Multi Function Memory Channels.
The unit contains 14 fully programmable Memory Channels. Each channel stores operating frequency, Standard offset and other useful information.

Highly Visible LCD.
A new color LCD.

6 Channel Spacing steps.
for ease of operation 5, 10, 12.5, 15, 20 and 25 KHz.

4 Scanning Modes.

(a) VFO -Scanning of the entire band.

(b) Memory -Scanning of selected memories.

(c) Programmed Band-Scanning of a selected segment of the band.

(d) Priority Scanning-Allows selection of a frequency, in VFO or Memory, to serve as a priority frequency.

Restricted Access Operation.
allows for programmable encode/decode sub-audible tones(DR-100T) or a 1,750Hz tone call function(DR-110E).

Microphone
The standard microphone offers:

(A) UP/DOWN buttons for ease of frequency/Memory selection.

(B) An LED "ON AIR" indicator and "LOCK" switch to enable/disable microphone function(DR-110E)

(C) DTMF Encoder built-in.(DR-110T)

Other Outstanding
Features:

- Function Lock Key
- Reverse Key-Inverts TX-RX
- Memory Skip
- Odd Offset
- Multiple Standard Offsets
- Other too numerous list.

Accessories supplied
as standard:

- Hand Microphone(Condencer type)
  a. 16 button DTMF Microphone(DR-110T) b. Hand Microphone(DR-110 E)
- Mobile Mounting Bracket
- Mounting Hardware
- D.C. power Cable

The One You Swear By ... Not Swear At ...

We Guarantee You won't go wrong - and we'll Save you Money!
You can't beat our Alinco Radios - And you Can't beat our Deals!

Now! Celebrating 15 Years of Service!

WILLIAMS RADIO SALES
600 LAKEDALE ROAD
COLFAX, N.C. 27235

FOR THE BEST DEAL!
(919) 993-5881
NOON TO 10:00 P.M. EST

WEST VIRGINIA NEWS

— Compiled and edited by Ted Wolfe, WD4KHL

Send your newsworthy items from West Virginia directly to Ted to be included in this column. Address: P.O. Box 133, Cabin Creek, WV 25035. (304) 595-3970.

To show how quickly situations can change, the information published in a block above my column in the Nov. '88 **Journal** is now out of date. There's been no change in my postal address -- it is still P.O. Box 133, Cabin Creek, WV 25035. But since Johnny Jones opened a new packet bbs, WB8CQV, in Charleston, I will no longer attempt to field messages thru KA8ZXP in Clarksburg or WA8USO near Ripley. I'll stick to Johnny's WB8CQV bbs which is closer to home. So, in the future, leave messages for me there.

• • • •

The Sumerco (147.945/147.345) NU8K repeater in Lincoln County near the Kanawha-Putnam County lines is now linked with the Logan (146.37/146.970) KJ8E repeater. And by the time this is in print the link may be extended to the new Pie/Horsepen Mtn. repeater (147.720/147.120) NV8H South of Logan on the Logan-Mingo County line.

The new NV8H machine on Horsepen Mtn. at Pie, WV, is not to be confused with one that was at that location five or six years ago. That original machine was removed from service when its owner died, back when I was SERA state director for West Virginia.

• • • •

A recent Silent Key: John B. "Bernard" Dodd, W8ETF, St. Albans, WV.

• • • •

Some new "bells and whistles" have been heard lately (early December) on two area machines -- the WB8EZR (146.040/146.640) Huntington-Charleston repeater and on the KA8SVR (147.750/147.150) St. Albans repeater.

Ralph Langley, KA8SVR, gave me details of the 147.150 machine upgrade. He, Jim McCallister, KB8BVL, and Greg Jones, KB8DOX, recently did some installation work at the repeater's Dry Ridge site. They are still working to activate more of the many features available through their new ACC 85 controller.

Already operative are a private autopatch for members of the Amateur Radio Association (mail to ARA, 109 Fairview Drive, St. Albans, WV, 25177 -- that's KA8BVL8s QTH), with emergency autopatch open to ALL hams by using a STAR-NINE, which will automatically connect you with Kanawha County 911 metro, and a feature which will read back to you the strength of your input signal, and a touch-tone pad check.

The group has a 6-meter repeater on the air co-located with the two-meter facility. Input is 52.15 with output on 53.15. It also carries the KA8SVR call. During 1989 the group plans to add a number of satellite receivers to be linked via 440-Mhz. Also coming in 989 is a 440 repeater which will use the old controller from the 147.150 Mhz repeater.

• • • •

Tom Murdock, K8IXO, retired in December as Superintendent of Kanawha State Forest, Charleston. He served nearly 30 years with the Parks and Recreation Department, first under the Department of Natural Resources and now under the WV Department of Commerce.

He served in posts in Moundsville, Cass, Logan and Charleston. Tom will remain in the Charleston area in retirement.

• • • •

I wrote several issues back about the packet "wormhole." Now scientists are discussing another type of "wormhole" that theoretically, if I read it right, could mean that a type of time travel is or could be possible if Einstein's formulas hold true. For details I direct you to Page 62 in the Dec. 19, 1988 issue of U.S. News and World Report and a full page item headed "Playing fast and loose with time."

• • • •

I've been advised that the Kanawha ARC has voted down the proposal to divert its building fund monies into more financial support for a Charleston area repeater. I mentioned in the Nov. 1988 issue that the proposal was under consideration at that time.

• • • •

Just before the New Year Johnny Jones, WB8CQV told me he was looking for a solid state HF rig to use as a 40-meter port on his Charleston bbs. Anyone with an appropriate rig for sale or to lend should contact Johnny.

• • • •

Gary, N8BZS, brought me up to date via 2-meters on activities of the Appalachian Repeater Association. There's a new 222.46/224.06 Mhz repeater on Bald Knob near Winterplace Ski Resort and Flat Top Mountain. I forgot to inquire of the call, but the machine is a home brew combination with 10-watts out of the cavities. The new call on the Bolt Mtn. 144.570/145.170 is N8FRV. It used to be N8DKF.

He and another ham are putting 147.465/146.685 (reverse split) on the air at Crater Mtn. Lake in Virginia but it is expected to cover a lot of southern WV too. Also coming are a 440 Mhz band repeater with a confidential pair tied to a 220 Mhz remote base which can be tied into the Piedmont Coastal Net in North Carolina. That's part of a backbone system.

Gary also advised of vandalism in August of the 147.63/147.03 repeater at Mullens/Herndon Mtn. Vandals threw the entire repeater system, which was inside a fire tower, to the ground causing about $3,500 damage. With donations of equipment and bench time from Dennis, N8FCJ; Dale, N8FRV; J.R., KE8VH, and Jim, K8OTX (hope I copied all those calls correctly), the repeater is back in service.

There's also a new 449.400/444.400 Mhz repeater in Beckley at the residence of N8FCJ. It uses some parts from Eben, WB8FQJ, in Logan. The repeater affords local coverage and with a link to 146.025/146.625, N8BZS, Winterplace/Flat Top Mtn. The link allows both access to an autopatch.

• • • •

Oh, about that voodoo recipe for a poison ivy remedy I promised in my November issue, I did find it in my correspondence file so here it is. Put Jimson weed, sulphur and honey in a glass container. Rub the container against a black cat with a white foot and you'll be cured, so claims my correspondent who is a cat fancier and the author of a book about Louisiana and the cajuns. I do not warrant the cure.

• • • •

Just after Christmas I received a new Heathkit catalogue. Page 40 and 41 make up an excellent introduction to the ham radio equipment section of the book.

• • • •

Jack Kibler, K8WMX, St. Albans sent me a letter at year end with a copy of the St. Albans Emergency Services Amateur Radio Operators' year end report. The group held its annual Christmas Dinner on Dec. 13 with 40 members and guests present. The annual report listed the activities the group participated in during 1988.

For the year members attended 124 various meetings, took part in 60 events (parades, golf tournaments, races, special olympics, Sternwheel Regatta, etc.) for which communications were provided, held eight volunteer test sessions (126 elements and 104 code tests given with a total of 93 upgrades in amateur licenses).

Thirty-five hundred 64 hours of activities and 1,865 hours of meetings attended accounted for 5,429 total hours of community service by the group.

• • • •

Fred Jones, WA4SWF, Louisa, Ky., former Director of the Eastern Ky. SERA District, sent me a package of packet information, and a big package it was, including documentation for TheNet. Another inclusion, dated 9 Jun. 88, listed as of that time 108 users of the KA4ROS bbs in Ashland, Ky. Fully 45 of the users had West Virginia addresses.

A separate list showed a great number of C-64 and IBM files available on the bbs. The bbs operator is Keith Pennington, KA4ROS.

The bbs is accessible via 145.01 or 446.50 Mhz. It supports binary or Yapp file transfers as well as REQFIL messages. The bbs maintains ARRL, AMSAT, ALLOH, ALLKY, MIDNET, W5YI and OKIPN bulletins for 14 days before being marked expired. Personal mail is kept for 60 days if un-read and 30 if read. The bbs is destination for all NTS 411XX and 412XX traffic.

Hardware includes a Tandy 1200 HD with 640K of RAM and a 10 Meg hard disk, plus 2 MFJ 1270B TNCs for packet interface.

REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1987

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in., 3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy or ad changes must be in the hands of our Advertising Manager no later than the 20th of the month on the 2nd month prior to publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accomodate.

ADVERTISING DEADLINES

FEB. Issue–Dec. 20 MAY Issue–Mar. 20
AUG. Issue–June 20 NOV Issue–Sep. 20

Advertising copy MUST be mailed to:
REPEATER JOURNAL ADV. MANAGER,
SHARON WARD, 5573 Vienna-Dozier Rd.,
Pfafftown, N.C. 27040.

The REPEATER JOURNAL cannot be responsible for errors in advertising, or held accountable for equipment or accessories that do not live up to the advertised claim. We are not responsible and cannot guarantee insertion of advertising received after deadline.

REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. COLOR: One additional spot color, on available color pages is available for an additional $25.00 charge per ad. FULL COLOR: Is available on the Inside Front and Inside Back covers. 100-130 Line separation negatives, right reading, emulsion down are required. No extra charge for full bleed. Due to Journal width being 1/4-in wider than national magazines, the color will bleed to outer edge, with a color stripe on inner edge of page, if separations do not fill width.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

REPEATER JOURNAL ADVERTISING SIZES AND RATES

Ins. Frt. or Ins. Bk. Cover (Full Color)	8-1/2″x11″	$300.00
Full Page	7-1/8″ x 9-7/8″	85.00
Full Page Bleed (any sides)	8-1/2″ x 11″	100.00
2/3 Page (Vertical)	4-5/8″ x 9-7/8″	65.00
1/2 Page (Horizontal)	7-1/8″ x 4-3/4″	48.00
1/2 Page (Vertical)	3-1/2″ x 9-7/8″	48.00
1/2 Page (Vertical 2-col)	4-5/8″ x 7-1/8″	48.00
1/3 Page (Vertical Only)	2-1/4″ x 9-7/8″	35.00
1/4 Page (Vertical Only)	3-1/2″ x 4-3/4″	28.00
1/6 Page (Vertical)	2-1/4″ x 4-3/4″	18.00
1/6 Page (Horizontal)	4-3/4″ x 2-1/4″	18.00
1/12 Page (Vertical Only)	2-1/4″ x 2-1/4″	10.00
Business Cards - Standard Size	(4 Issue Contract Only)	16.00 In Advance

Classified Ads (30 Words Maximum per ad) In Advance 3.00
Color (1 additional color plus black) An Size Ad.............................. 25.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera ready positive photoprint, or pasteup. Camera work, typesetting additional. No charge for layout.

Not $300 a page, Not even $200 a page. The Repeater Journal advertising rates and circulation provide you the best dollar value of any Amateur advertising medium in the Southeast. Repeater Journal Advertising PAYS FOR ITSELF! Big circulation National Magazines are Great for results, but do the results pay for the high cost of advertising. Concentrated circulation, low rates, all give the Repeater Journal advertiser the most for his dollar. Call or Write our Advertising Manager today!

The Repeater Journal is Published Quarterly - Feb., May, Aug., Nov.

Yes! I Want to Support SERA - Sign Me UP for the Journal!

SERA ASSOCIATE MEMBERSHIP APPLICATION

Name ____________________ Call ____________
Address ____________________ Date ____________
City ____________________ Zip ____________
Phone (___)____________ Member ARRL ( ) Yes ( ) No
Enclosed is $ ________ for ________ Year(s)
(Check Appropriate Box Below)
NEW ______ RENEW ______ HOT-P ______
$6.00/Year (Maximum 2 Years) $10.50/Year (Maximum 1 Year)
(Journal mailed 3rd Class) (Journal mailed 1st Class)

Mail Application & Fee To:
SERA Associate Membership
Post Office Box 24292
Winston-Salem, N.C. 27114-4292

You Will Receive the Next Journal

Support Your Official COORDINATOR! Join SERA Today!

Make a copy of this application and pass it to a friend. Encourage him to help support the coordination council that for 17 years has worked to keep your repeater in the clear. Your membership guarantees a continuation of this work. Associate Members (repeater users) will receive the REPEATER JOURNAL quarterly. If you are a present Associate Member, you may use this application to renew, change address, or change callsign.

Deadlines for membership are the 15th of the month prior to Publication, to receive the next upcoming Journal. (Jan. 15, Apr. 15, Jul. 15 and Oct. 15). Applications received after deadline will receive the next Journal 3 months away.

SERA Financial Report

— *by Ray Adams, N4BAQ, Treas.*

SouthEastern Repeater Association, Inc.

Calendar years 1984, 1985, 1986, 1987, and 1988

Dues	$4/$8	$5/$10	$6/$15	$6/$15	$6/$15
REVENUES	1984	1985	1986	1987	1988
Advertising	$ 6,450.90	$ 7,434.10	$ 6,595.75	$ 6,611.50	$ 8,372.00
Associate membership dues	10,501.25	11,788.23	12,559.00	13,412.00	13,617.50
Full membership dues	1,652.00	4,242.00	4,382.25	4,070.25	5,972.50
Decals	-0-	278.50	70.50	31.00	116.50
Postage - includes HOT-P	-0-	125.50	266.50	273.50	180.00
Interest	-0-	60.82	273.18	401.80	526.52
Hats	-0-	231.50	123.37	63.00	47.50
Contributions	-0-	-0-	182.00	102.00	45.00
Other	54.00	82.75	83.64	16.90	12.00
	$18,658.15	$24,243.40	$24,536.19	$24,981.95	$28,889.52
EXPENSES					
Journal mailing	$ 2,698.57	$ 2,292.49	$ 3,378.48	$ 2,511.95	$ 2,777.70
Journal printing	15,242.26	15,620.34	12,783.43	16,553.59	20,703.90
Miscellaneous expenses	2.35	578.78	-0-	120.13	199.56
Travel and meetings	795.59	996.50	1,428.90	2,051.22	1,241.72
Office expenses	43.13	308.80	137.87	171.10	367.96
Amortization of office machines	448.00	448.00	448.00	875.63	862.24
Postage other than journal	167.86	1,238.74	387.44	721.06	1,153.74
Printing other than journal	264.74	2,011.15	186.96	848.63	1,115.57
Telephone	438.00	452.59	576.38	442.37	995.83
	$20,100.50	$23,947.39	$19,327.46	$24,295.68	$29,418.22
REVENUE OVER (UNDER) EXPENSES	$(1,442.35)	$ 296.01	$ 5,208.73	$ 686.27	$ (528.70)
Balance, beginning of year					
Expenses advanced	$ 800.00	$ 900.00	$ 950.00	$ 900.00	$ 900.00
Invested in office machines	1,792.00	1,344.00	896.00	2,571.63	1,696.00
Cash in bank	2,507.39	1,413.04	2,107.05	5,690.15	7,252.05
	$ 5,099.39	$ 3,657.04	$ 3,953.05	$ 9,161.78	$ 9,848.05
EQUITY TO ACCOUNT FOR	$ 3,657.04	$ 3,953.05	$ 9,161.78	$ 9,848.05	$ 9,319.35
Less: Expenses advanced	$ 900.00	$ 950.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	1,344.00	896.00	2,571.63	1,696.00	3,026.00
	$ 2,244.00	$ 1,846.00	$ 3,471.63	$ 2,596.00	$ 3,926.00
CASH IN BANK	$ 1,413.04	$ 2,107.05	$ 5,690.15	$ 7,252.05	$ 5,393.35

Simplex Frequencies Now Listed In Index

Several Repeater Journal readers suggested we add simplex channels suggested for use somewhere in the Journal. We are pleased to announce that they are now permanently listed in the By-Frequency portion of the Repeater Journal Index. They are broken into two categories, FM Simplex,and Digital Simplex.

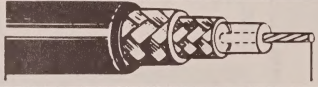
Newcomers to the VHF/UHF bands who have not had a chance to learn the places people go to talk simplex will be most helped by this new feature of the Journal.

Color Pictures Needed

We still need color slides or color photographs of Amateur activities. Something big going on in your area. Get us a color picture or slide, we may be able to use it on a future Repeater Journal Cover.

CLASSIFIED AD

FOR SALE: Motorola Mocom 70 Repeater. Micropromputer Controller. 40-watt transmitter, excellent receiver. Wacom #641 duplexer, Hustler G-6 antenna. Separate or package deal. Best offer. WA4DAN (callbook address) or (919) 752-3197.



CERTIFIED QUALITY

Wire Antenna Accessories * Stock and Custom Baluns Copperweld & CB to 10

1-800-727-WIRE

Hardline • Custom Cables • Dipole Kits
Connectors • Boots • Sealers
Magnet Wire • Ground Radials
• LARSEN ANTENNAS • AMIDON
• UNADILLA - CB to 10 & 12

1-800-727-9473

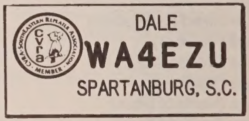
VISA ★ MASTERCARD ★ COD ★ CASH
1-803-895-4195 (Tech Help & Ragchew)

Certified Quality From
CERTIFIED COMMUNICATIONS
261 Pittman Road, Landrum, S.C. 29356

The Cap 'N' Badge Man

Now you can MAIL ORDER !

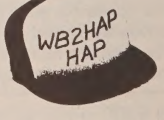
Badges



ARRL, ARRL- LIFE, QCWA, Boy Scouts, Elks BPOE, Masonic and many many more available....$3.50 and up depending on size and logo, plus postage.

WA4EZU
DALE
WA4EZU
DALE

Caps



Send s.a.s.e for our catalog and cap and badge price list.
Club and group discounts available

The Cap 'N' Badge Man
Serving the Amateur Radio Fraternity with quality products
P O Box 652, Fairforest S.C. / 29336
803 576 8617

F & M - Your Complete North Carolina ICOM Dealer

DUAL BAND FM TRANSCEIVER
IC-32A
IC-32AT (WITH DTMF)

TWO BANDS IN ONE RADIO

Icom is proud to present our newest dual band handheld transceivers — IC-32A, IC-32AT and IC-32E. 2 meters and 70cm in a compact handheld: what a breakthrough!

FULL DUPLEX CAPABILITY

These transceivers have been designed with Icom's advanced VHF technology. Simultaneously transmit on one band and receive on the other — and you're operating full duplex. It's just like talking on the telephone.

HIGH OUTPUT POWER: YOU WILL BE HEARD!

Using a custom designed power module as the final amplifier, this transceiver puts out 5.5W on 2 meters and 5W on 70cm. You'll hit that repeater!

20 MEMORY CHANNELS FOR YOUR CONVENIENCE

Each of the 20 memory channels can store two frequencies! Each channel stores the operating frequency, offset frequency, etc.

PROGRAMMED SCAN AND MEMORY SCAN

The Programmed Scan function scans all frequencies between two programmable scan edge frequencies. The Memory Scan function scans all memory channels in succession, except those you lock out. Scan all channels; scan just 2 meter channels; or scan just 70cm channels.

POCKET BEEP — NEVER MISS A SKED!

When the UT-40 TONE SQUELCH UNIT (sold separately) is installed, the transceiver functions as a pager. Never miss a sked!

DTMF KEYBOARD BUILT-IN (IC-32AT)

Use the built-in DTMF keyboard to access a repeater and to make a phone patch. The key numbers and letters are printed large for easy reading.

MONITOR THE REPEATER INPUT FREQUENCY INSTANTLY

It's so easy to monitor the input frequency when working a repeater. Push the MONITOR switch on the side panel to open the squelch and check the frequency.

SPLASH RESISTANT: GREAT FOR OUTDOOR AND EMERGENCY COMMUNICATIONS

Rubber gaskets ensure that water splashed on the transceiver does not penetrate the casing.

PRIORITY WATCH

Priority Watch monitors the Call Channel, a memory channel or all memory channels in succession every five seconds — while you operate! What a convenience!

DIAL SELECT — FOR A QUICK QSY

When you want to change the frequency or the memory channel fast, use the Dial Select function. Dial Select changes the 1MHz, 100kHz digit or the memory channel directly. It's so easy to operate: just push one button!

144MHz FM TRANSCEIVER
IC-2GA
IC-2GAT (WITH DTMF)

LOOK AT WHAT'S NEW ON 2!

IC-2GAT
IC-2GA

QUALITY AND ECONOMY IN A HIGH-TECH PORTABLE PACKAGE

Take a look at Icom's newest 144MHz FM handheld transceivers. They're rugged, compact and easy to operate.

7W OUTPUT POWER

Using SC-1080, a custom-designed power module, as the final amplifier, these transceivers output 7W (using the BP-7 or BP-70 BATTERY PACK). You won't have any problem hitting that repeater!

SAVE BATTERY POWER WITH THE BUILT-IN POWER SAVER

The power saver keeps battery current drain to only 10mA. It's so convenient — it works automatically.

20 MEMORY CHANNELS FOR YOUR CONVENIENCE

Each of the 20 memory channels stores an operating frequency and all the information required to work a repeater. Throw those frequency lists away!

PROGRAMMED SCAN AND MEMORY SCAN

The Programmed Scan function scans all frequencies between two programmable scan edge frequencies. The Memory Scan function scans all memory channels in succession, except those you choose to skip.

PROGRAMMABLE CALL CHANNEL (IC-2GA, IC-2GAT only)

Bring up the Call Channel in an instant. Program this channel with a frequency you often use.

POCKET BEEP — NEVER MISS A SKED (IC-2GA, IC-2GAT only)

When the UT-40 TONE SQUELCH UNIT (sold separately) is installed, the transceiver functions as a pager. When the frequency of a received tone equals the tone frequency you've set, a 30 second alarm is emitted over the speaker and SQL flashes on the function display.

DTMF KEYBOARD BUILT-IN (IC-2GAT only)

Use the built-in DTMF keyboard to access a repeater and to make a phone patch. Key numbers and letters are printed large for easy reading.

MONITOR THE REPEATER INPUT FREQUENCY INSTANTLY

It's so easy to monitor the input frequency when working a repeater. Push the MONITOR switch on the front panel to open the squelch and check the frequency.

BUILT-IN 1750Hz REPEATER ACCESS TONE (IC-2GE only)

Many repeaters are accessed with a 1750Hz tone. IC-2GE makes it easy to access these repeaters: just push one button!

● Parts ● Accessories ● Microphones ● Batteries ● Books ● Antennas

F&M ELECTRONICS
Frank N4AZM & Mae Wyatt

3520 ROCKINGHAM ROAD NORTH
GREENSBORO, N.C. 27407
(919) 299-3437
9:00 a.m. to 7:00 p.m. Daily Closed Mondays

Repeater Growth Moderate During 1988 in 7 States

Repeater growth has slowed down in the seven SERA states as we again take a look at our first-of-the-year calculations. At first glance we think things have really been jumping, but that is not the case.

The actual reasons for a 90 repeater jump in numbers across the seven states is the result of intensive updating and correcting our indexes over the past 90 days. Over 3,700 repeater data sheets were mailed out to every repeater owner, trustee, or representative we had on file in our computers, and could look up through the Callbook. To date over 600 have been returned. The main increases show from updates in Western Tennessee, where Vice-Director Jim Larson has worked hard to get that area correctly listed. Georgia also added quite a few repeaters, especially in the 440 category which had not previously been listed.

As of now, we count 1,150 repeaters in the seven states. If we subtract 42 repeaters in Northern Virginia, which have been geographically located and classified T-MARC territory repeaters, our actual SERA repeaters total 1,108, compared to 1,061 last year.

The largest SERA state is Tennessee with 271 repeaters, followed by Georgia with 246 and North Carolina with 220. Virginia has 203 repeaters with 161 in SERA Territory.

West Virginia has 92 machines and South Carolina has 84. East Kentucky has 34. If West Kentucky joins and becomes a Kentucky district with East Kentucky, that district will then have approximately 120 repeaters.

Digipeaters, which are not coordinated by SERA grew by only 2 machines in 1988. A total of 136 are now listed in our index, compared with 134 at the end of 1987.

The chart at the side of the page gives you a by-band, by-state, by-year look at repeaters in the Southeast, as compiled by the SERA database system.

SERA Territory Repeater Growth by State (District) since 1984. Updates are Calculated in January of Each Calendar Year. Corr. as of 1-25-89.

	10-Meters						6-Meters						2-Meters						220-Mhz.						440-Mhz.						Digipeaters				Totals 7 States						
Dist	84	85	86	87	88	89	84	85	86	87	88	89	84	85	86	87	88	89	84	85	86	87	88	89	84	85	86	87	88	89	86	87	88	89	84	85	86	87	88	89	
NC	0	2	3	2	2	2	9	9	9	10	6	7	133	143	144	140	141	146	24	25	28	27	30	34	14	25	36	32	33	31	6	8	11	13	180	204	220	211	214	220	NC
SC	0	0	0	0	0	1	3	2	3	3	2	1	60	62	63	65	64	64	4	8	5	5	6	7	5	9	12	9	11	11	3	8	10	15	72	81	83	82	83	84	SC
TN	2	1	2	2	6	6	6	6	7	10	10	13	137	139	133	138	139	159	14	14	14	16	21	29	29	31	35	43	42	64	5	7	30	24	158	191	191	209	222	271	TN
VA	1	3	2	2	5	5	15	14	12	13	13	12	104	111	108	111	118	116	7	10	10	10	17	22	25	37	36	36	40	48	4	23	29	38	152	175	168	172	193	203	VA
WV	0	0	0	0	0	0	0	1	6	6	5	3	57	64	71	71	71	76	2	2	2	3	4	3	3	3	5	10	11	10	2	5	6	6	62	70	84	90	91	92	WV
EKY	0	0	0	0	0	0	0	0	0	1	2	2	0	0	22	25	32	29	0	0	2	4	4	3	0	0	1	1	1	2	0	1	18	16	0	0	25	31	39	34	KY
GA	0	0	2	4	4	4	0	0	3	3	5	6	0	0	142	138	142	155	0	0	12	16	23	28	0	0	25	35	44	53	19	26	30	24	0	0	184	196	219	246	GA
TTLS	3	6	9	10	17	18	33	32	40	46	43	44	491	519	683	688	707	745	51	59	73	81	105	126	76	105	150	166	182	219	39	78	134	136	624	721	955	991	1061	1150	TTL

Other Repeaters: Georgia has one 1270 Mhz. repeater A total of 42 repeaters in Virginia are in T-MARC Territory.

* Packet Digipeaters were not counted until 1986. Digipeaters are not counted in total Number of repeaters for any State.

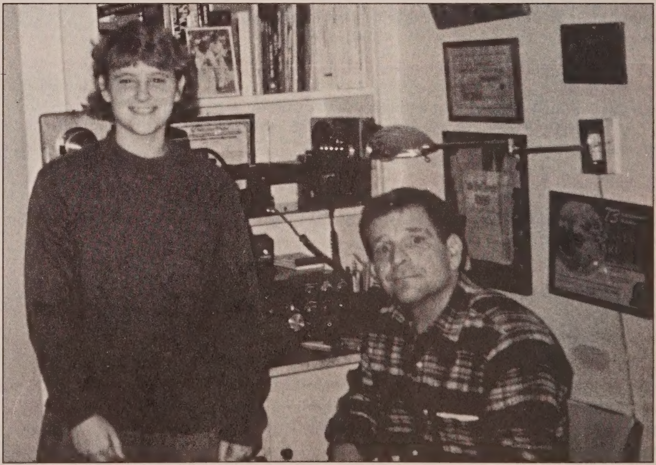
* E. Kentucky and Georgia Not Counted Until 1986 - When they obtained District Status Under the SERA Umbrella.

Your Story And Pictures Needed

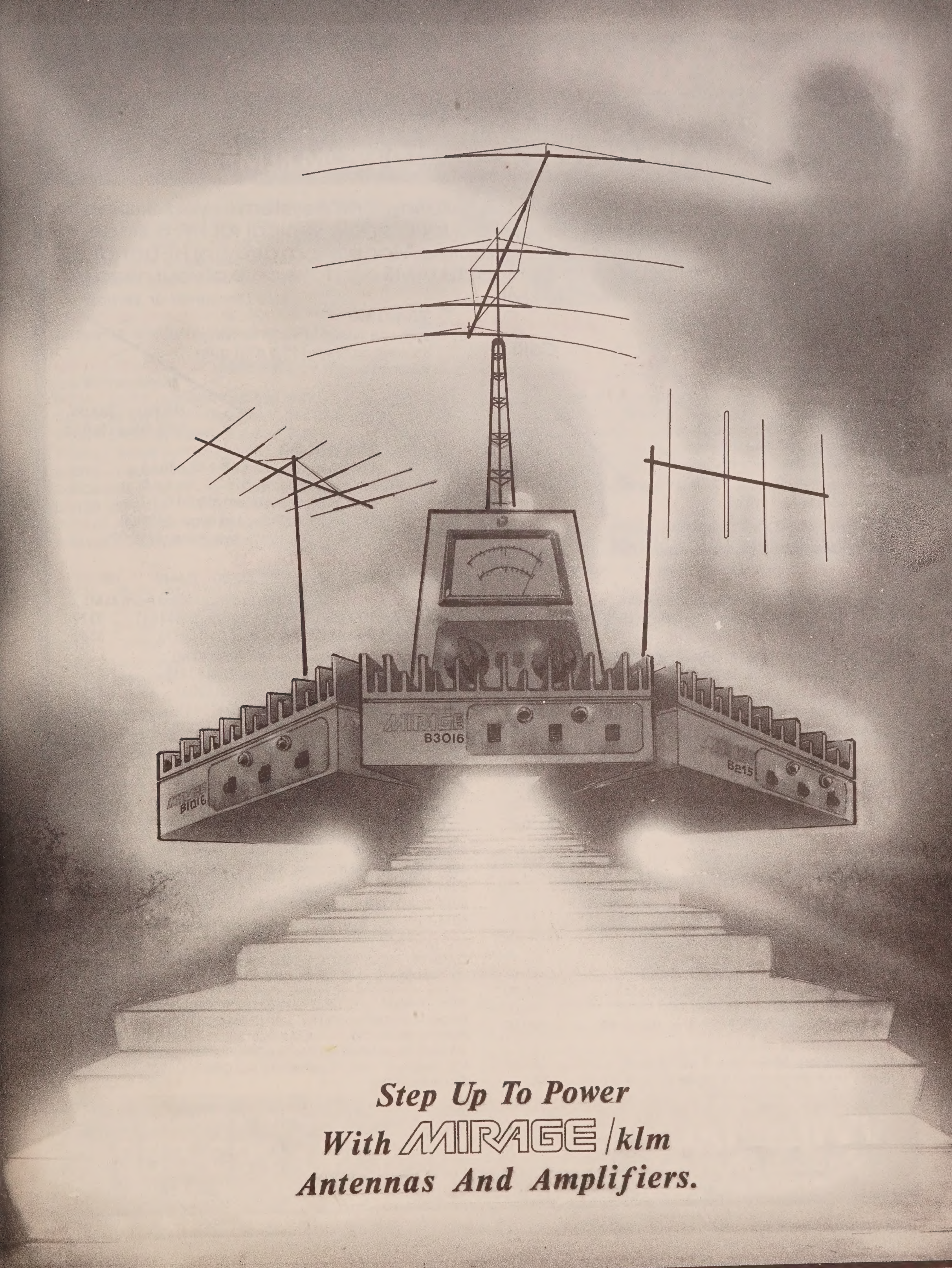
The Repeater Journal is always looking for good news, human interest, feature stories about you and your fellow ham.

If you have pictures -- all the better. Send your items to the Journal Editor. Don't worry if you feel you cannot write a good story, the editor will help you.

Tarboro's First Father-Daughter Amateur Operators



Cary Livesay received his Amateur license KC4IFM on December 20, 1988. On that same day, his daughter, Dorothy, age 13, passed easily her Novice test. She received her new call, KC4IQP in mid-January. Dorothy is not only the youngest but the only young lady in Tarboro, N.C. to pass the Novice Test. Both father and daughter are busy studying for upgrading. You might find them on the Novice bands on CW if you look around!


MIRAGE
B1016
MIRAGE
B3016
MIRAGE
B215
Step Up To Power
With MIRAGE/klm
Antennas And Amplifiers.

MIRAGE/KLM BEAMS AND ANTENNAS

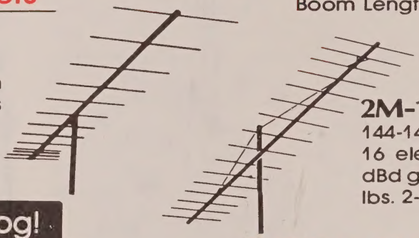
6M thru 450 Mhz. Antennas IN STOCK!
HF BEAMS - DROP SHIPPED FROM KLM

Call WILLIAMS RADIO for Assistance in Tailoring a KLM system to your Station requirements. Whether you are looking for a single vertical for HF, a single beam for 2-Meters, or you want a complete Monobeam array for HF bands, or a stacked array for UHF/VHF DXing, WILLIAMS can take care of your needs with the antennas that WORK! KLM!

New LOWER Prices!

6-Meter Beams-Call!

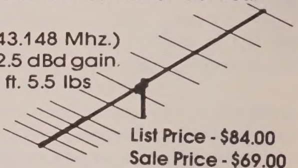
ANTENNAS FOR 2-Meters



2M-13LBA
144-148 Mhz., 13 elements with 13.3 dBd gain. Boom Length is 21.5 feet. 9 lbs., 2-in mast.
List Price - $95.00
Sale Price - $79.00

Use Horizontal or Vertical

2M-11X
144-146 (usable 143.148 Mhz.) 11 elements with 12.5 dBd gain. Boom Length 15.4 ft. 5.5 lbs



List Price - $84.00
Sale Price - $69.00

2M-16LBX
144-146 (usable 143-148 Mhz.) 16 elements with 13.2 to 14.5 dBd gain. Boom Length 28 ft. 10 lbs. 2-1/8 mast.
List Price - $195.00
Sale Price - $159.00

Write for a free catalog!

OTHER 2-METER BEAMS

2M-8 - 8 elements, 10.3 dBd gain (List $98)	$83.00
2M-4X - 4 elements (end mt.) 8.5 dBd (List $62)	$55.00

2-METER CIRCULAR POLARIZATION

2M-22C - 22 elements, 13 dBdc (List $213)	$169.00
2M-14C - 14 elements, 11 dBdc (List $164)	$139.00

2-METER VERTICALS

JV-2 60-in., 144-148 Mh. 5 db/gr pl, (List $112)	$89.00
JV2X 11-ft., 144-148 Mh. 7 db/gr pl, (List $153)	$125.00

220 Mhz. BEAMS

220-7 - 7 elements, 8.8 dBd, (List $76)	$62.00
220-14X - 14 elements, 13.5 dBd, (List $109)	$89.00
220-22LBX - 22 elements, 15.6 dBd, (List $137)	$109.00
JV-220X - 88-in VERTICAL 7 dB/gr pl, (List $141)	$115.00

432 BEAMS

432-20 LBX - 20 elements, 15.3 dBd, (List $146)	$119.00
432-30 LBX - 32 elements, 17.3 dBd, (List $169)	$135.00

435 CIRCULAR POLARIZATION BEAMS

435-18C - 18 ele. 12 dBdc, w/CS-2 sw (List $214)	$175.00
435-40CX - 40 ele. 15.2 dBdc, (List $251)	$205.00

440-450 FM BEAMS

440-6X - 6 elements, 8.9 dBd, (List $55)	$48.00
440-10X - 10 elements, 10.2 dBd, (List $65)	$58.00
440-27 - 27 elements, 13.5 dBd, (List $120)	$99.00
JV-440X - 420-470 VERT., 7 db/gr pl. (List $122)	$99.00

OTHER VERTICALS

JV-6 - 6-Meters, 50-54 Mhz. 5 db/gr pl. (List $109)	$89.00
JV-10 - 10M, 27-30 Mhz. 3 dB/gr pl. (List $102)	$85.00

CJ SERIES 1.8 dBd, CLOSED LOOPS

CJ2M....$33.00	CJ220M....$32.00	CJ440.....$29.00

HF TRI-BAND BEAMS 10-15-20M (Drop-Shipped from KLM)

KT-34A TRI-BAND 7 dBd, 4 el-16 ft boom (List $484)	$379
KT-34XA TRI-BAND 8.5-11.3 dBd, 6 el, (List $697)	$549

HF MONOBEAMS (Drop-Shipped From KLM)

10M-6 - 11 dBd, 27.5 ft boom, 6-el., (List $321)	$255
10M-4 - 7.7 dBd, 10 ft boom, 4 el., (List $203)	$159
15M-6 - 11 dBd, 36 ft boom, 6 el., (List $524)	$415
15M-6LD-10.5 dBd, 36 ft boom, 6 el., (List $393)	$309
15M-4 - 7.7 dBd, 14 ft boom, 4 el., (List $221)	$179
20M-6 - 11 dBd, 57 ft boom, 6 el., (List $931)	$729
20M-5 - 9.7 dBd, 42 ft boom, 5 el., (List $647)	$508
20M-4 - 7.7 dBd, 21 ft boom, 4 el., (List $417)	$329
40M-4 - 7.2 dBd, 42 ft boom, 4 el., (List $935)	$735
40M-3A - 6.5 dBd, 32 ft boom, 3 el., (List $703)	$559
40M-2A - 4.9 dBd, 16 ft boom, 2 el., (List $493)	$389
40M-1 Dipole., 23 ft boom, 1 el., (List $202)	$159
80M-3 - 7.0 dBd, 60 ft boom, 3 el., (List $3731)	$2999
80M-2 - 4.0 dBd, 36 ft boom, 2 el., (List $2513)	$1999
80M-1 Dipole, 90 ft element, 1 el., (List $763)	$610

HF VERTICALS

160V - VERTICAL 24 ft ht 1.8-2.0 Mhz. (List $232)	$185
40-10V - 26.5 ft ht, 7, 14, 21, 28 Mhz. (List $287)	$229

NOTE; Prices for UHF/VHF (In Stock) antennas plus UPS shipping or freight. (Approximately $5.00). All HF beams will be drop-shipped from the factory, by truck and freight will be billed C.O.D. Delivery within 10 days to 2 weeks. Prices subject to change without notice. N.C. residents add 5% Sales Tax. NO CREDIT CARDS. For Phone CODs add $2.50.

Now! Celebrating 15 Years of Service!

WILLIAMS RADIO SALES
600 LAKEDALE ROAD
COLFAX, N.C. 27235

FOR THE BEST DEAL!
(919) 993-5881
NOON TO 10:00 P.M. EST

MIRAGE Amplifiers!

6M, 2M, 220, 440 - 30W to 300W

NOW - LOWER, MORE COMPETITIVE PRICES!!

Williams can provide an amplifier for your every need on any VHF/UHF band. We now stock most Repeater Amplifiers as well as all regular amplifiers. All MIRAGE amplifiers have a one year warranty on RF devices, other components guaranteed for 5 years.

MIRAGE 6M AMPLIFIER (All Mode w/Preamp)

A-1015 - .5-10W In/10-150W Out, (List $306)	$269.00

MIRAGE 2M AMPLIFIERS (All Mode, 12-13.8 VDC) (All W/Preamps)

B-23A - .25-5W In/5-40W Out (List $137)	$119.00
B-215 - .25-5W In/38-165W Out, (List $305)	$239.00
B-108 - .5-15W In/8-88W Out, (List $189)	$149.00
B-1016 - .5-15W In/12-175W Out, (List $305)	$239.00
B-3016 - 1-45W In/16-175W Out, (List $247)	$219.00
B-3038-30W in-380W out, (Avail. Soon!)	Call for Price!
B-215R REPEATER - 1W In/110W Out, (List $483)	$389.00
B-1016R REPEATER - 2W In/120W Out, (List $473)	$379.00
B-3016R REPEATER - 12W In/120W Out, (List $431)	345.00

MIRAGE 220 MHZ. AMPLIFIER (All-Mode with Preamps)

C-22A - .25-5W In/3-36W Out, (List $137)	$119.00
C-211 - .25-5W In/52-126W Out, (List $315)	$239.00
C-106 - .5-15W In/5-78W Out, (List $210)	$169.00
C-1012 - .5-15W In/7-145W Out, (List $315)	$239.00
C-3012-1-45W In/8-135W Out, (List $260)	$229.00
C-211R REPEATER - .5W In/80W Out, (List $493)	$389.00
C-1012R REPEATER - 5W In/90W Out, (List $493)	$389.00
C3012R REPEATER - 15W In/90W Out, (List $423)	$369.00

MIRAGE 430-450 MHZ. AMPLIFIERS (All-Mode with "N" Conn.)

D-24 - .25-5W In/17-79W Out, (List $230)	$199.00
D-1010N - .5-15W In/12-130W Out, (List $338)	$299.00
D-3010N - 10-40W In/50-130W Out, (List $312)	$279.00
D-1010R REPEATER - 4W In/80W Out, (List $515)	$399.00
D-1010NR REPEATER-Same as D-1010R w/"N" Con.	$399.00

MIRAGE REPEATER AMPLIFIERS - 2M, 220 & 440

Mirage repeater amplifiers are rack mounted with 10 x 19 inch heat sinks. Have temperature sensors, remote control. shutdown protection, all mode operation.

MIRAGE WATT/SWR METERS (Peak or Ave. w/3 Pwr. Scales)

MP-1 HF Meter (1.8-30 Mhz) 2,000W, (List $182)	$159.00
MP-2 VHF Meter (50-200 Mhz) 1,500W, (List $182)	$159.00

Prices subject to change without notice or obligation. NO CREDIT CARDS. For H/T amps, add $1.75 shipping, for all others, add $3.00 shipping. N.C. residents please add 5% sales tax. For Phone CODs., add $2.50. Shipped UPS

CONTACT WILLIAMS TODAY FOR THE BEST IN AMPLIFIERS

ALINCO VHF LINEAR AMPLIFIERS

ALINCO ELECTRONICS

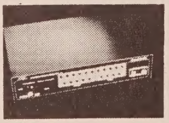
ELH-230D
140-150MHz
All Mode (FM SSB CW)
200mw-5W Input Power
3W in = 30W Output Power
DC13.8V/4.5A
15dB Gain Rx Pre-Amp
50 ohms
3.58" x 1.61" x 6.42"
1.12 lbs. $85.95

ELH-230G
140-150MHz
All Mode (FM SSB CW)
200mw-5W Input Power
3W in = 30W Output Power
DC13.8V/4.5A
50 ohms
3.58" x 1.61" x 6.42"
1.12 lbs. $79.95

ELH-260D
140-150MHz
All Mode (FM SSB CW)
200mw-5W Input Power
3W in = 50W Output Power
DC13.8V/10A
10dB Gain Rx Pre-Amp
50 ohms
3.58" x 1.61" x 8.50"
1.50 lbs. $129.95

AEA PK-232 Multimode Data Controller

The AEA PK-232 is the Controller everyone's talking about. You can work RTTY, CW, ASCII, AMTOR, BAUDOT, PACKET and WEFAX, all from this one unit on VHF/UHF or HF. Now can be interfaced to your Commodore with the COM-PACRATT.



AEA Price increases eff. Feb. 1, 1989

$309.95 Add $3.00 UPS Shipping

PK-88 TNC	$149.95
PC PAKRATT/FAX	$44.95
COM-PAKRATT/FAX	$69.95
AEA Isopole (2-M & 220)	**$54.95**
AEA Isopole (440 Mhz)	**$79.95**

PLEASE NOTE: Orders from this advertisement, include $2.00 shipping UPS, unless otherwise noted. N.C. Residents add 5% Sales Tax. Phone order CODs add $2.50. NO Credit Cards Please. Prices subject to change without notice or obligation. All items in stock.

Now! Celebrating 15 Years of Service!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD
COLFAX, N.C. 27235

FOR THE BEST DEAL!

(919) 993-5881

NOON TO 10:00 P.M. EST

"The '850 Found a New Friend"

acc
advanced
computer
controls, inc.

The industry standard RC-850 Repeater Controller can now talk with your computer.

And there's so much for them to say!

The '850 computer interface improves the management of your voice repeater system. It allows you to command and program interactively from your terminal or personal computer using a MODEM or packet TNC. Even preview and edit repeater messages by typing words from the controller's vocabulary directly into message slots.

Retrieve and catalog data relating to your site measurements, equipment status, and repeater and command activity. Download and print out the information programmed into your controller. And view your system "front panel" on your computer screen.

You'll find the RC-850 controller on the leading voice repeaters around the world. ACC pioneered remote programming of repeaters – and continues to pioneer with remote computer access. While the rest of the world just talks about catching up, ACC continues to lead the way in advanced repeater technology.

Now, with its computer interface, the '850 can be best friends with your computer.

acc
advanced
computer
controls, inc.

2356 Walsh Avenue, Santa Clara, CA 95051 (408) 727-3330

Coming Events

SERA REPEATER JOURNAL CALENDAR OF EVENTS

FEBRUARY, 1989

4-5....................Tropical Hamboree, MIAMI,FL
11....SAMI Ham Radio & Computerfest, CAVE CITY, KY
18..........................Hamfest, PENSACOLA, FL
18-19.......................Hamfest, SARASOTA, FL
18-19........................Hamfest, JACKSON, MS
19............................Hamfest, ELKIN, NC
25...........................Hamfest, STUART, FL
25...........................Hamfest, DALTON, GA
25.......................Hamfest, CHARLESTON, SC
25......................Hamfest, BROOKSVILLE, FL
25-26.........Ohio Sec. ARRL Conv., CINCINNATI, OH
26...........11th Annual Hamfest, FAYETTEVILLE, WV
26.....Vienna Wireless Soc. Winterfest, VIENNA, VA

MARCH, 1989

4.........Mammoth Cave ARC Hamfest, CAVE CITY, KY
4......................Swapfest, MORRISTOWN, TN
11-12......................Hamfest, LAFAYETTE, LA
18-19.....Roa.Div.ARRL Conv/Hamfest, CHARLOTTE, NC
18-19...............Swapfest, FT. WALTON BEACH, FL

APRIL, 1989

7-8-9......................Hamcation, ORLANDO, FL
8-9.....................Hamfest, LITTLE ROCK, AR
8...............Hamfest Kennehoochie, MARIETTA, GA
14-15.........Regional AWA Meet, WINSTON-SALEM, NC
15.........................Hamfest, OAK RIDGE, TN
15...........Hamfest/Computer Show, CHARLESTON, WV
16.......................RARS Hamfest, RALEIGH, NC
22-23............Georgilina Hamfest, N.AUGUSTA, SC
28-29-30....................Hamvention, DAYTON, OH

MAY, 1989

6-7..........50th Annual Hamfest, GREENVILLE, SC
6-7.....................Hamfest, BIRMINGHAM, AL
13-14*........................Hamfest, TOCCOA, GA
20........................Hamfest, KNOXVILLE, TN
20-21.....Andrsn, Hrtwl, Toccoa RC HF, HARTWELL,GA
21....................TSRAC Hamfest, WHEELING, WV
27.........................DurhamFest, DURHAM, NC
28................29th.RVARC Mayfest, ROANOKE, VA
28........MD. FM Assn. Hamfest, W. FRIENDSHIP, MD

JUNE, 1989

2-3-4.......ARRL Nat'l Conv., DALLAS/FT.WORTH, TX
3*..........................Hamfest, ATHENS, GA
3-4............Clev. ARC Starfest, CLEVELAND, TN
4*........................Hamfest, COLUMBUS, OH
4*.........................Hamfest, HUMBOLT, TN
4........................Hamfest, MANASSAS, VA
4*..........................Hamfest, MUNCIE, OH
9-10.........Ga.St.ARRL Conv/Hamfest, ALBANY, GA
10....................Hamfest, WINSTON-SALEM, NC
18*.......................Hamfest, FREDERICK, MD

JULY, 1989

1-2*.......WV State ARRL Conv., JACKSON'S MILL, WV
8-9......................HamFestival, ATLANTA, GA
15.....................Summer Swapfest, CARY, NC
22.........................Hamfest, BLUEFIELD, WV
29-30.................WCARS Hamfest, ASHEVILLE, NC
30......................BRATS Hamfest, TIMONIUM, MD

AUGUST, 1989

5-6.....................Hamfest, JACKSONVILLE, FL
5-6*......................HamConm, SHREVEPORT, LA
6..............Winchester Hamfest, BERRYVILLE, VA
6*..................Jax County Hamfest, RIPLEY, WV
7*........................Hamfest, LEXINGTON, KY
19-20.........High Point RC Hamfest, HIGH POINT, NC
19-20..............SE Div.ARRL Conv. HUNTSVILLE, AL
25-27.......ARRL SW Div Conv/Hamcomm, LES VEGAS, NV
26-27.........................Hamfest, MADISON, GA
27*.................Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER, 1989

1-3*.............ARRL SW Div. Hamcom, ANAHEIM, CA
2-3*..............32nd Annual Hamfest, SHELBY, NC
9-10*......................Hamfest, MELBOURNE, FL
9-10*.........................Hamfest, MOBILE, AL
9-10*.....................Hamfest, LOUISVILLE, KY
10.........Foundation AR Hamfest, GAITHERSBURG, MD
16-17...Va.St.ARRL Conv/Hamfest, VIRGINIA BEACH, VA
16-17.................Cincy Hamfest, CINCINATTI, OH
17*........................Hamfest, CLEVELAND, OH
23*......................Hamfest, SPRUCE PINE, NC
23*.........................Hamfest, ANNISTON, AL
24*.........Hamfest, Lanierland ARC, GAINSVILLE, GA
30*..................TARA, Hamfest, HUNTINGTON, WV
Sep.30-Oct.1..................Hamfest, BILOXI, MS

OCTOBER, 1989

1*.............................Hamfest, ROME, GA
8*.........................Hamfest, MAYSVILLE, NC
13-14.........................Hamfest, MEMPHIS, TN
13-15*...........11th Ham Com-Vention, HOUSTON, TX
14-15.......Central Ga. Hamfest, WARNER ROBBINS, GA
14-15*..................Hamfest, W.PALM BEACH, FL
15*........................Hamfest, ROCK HILL, SC
20-22*.....................Comvention, HOUSTON, TX
21....................Tri-Cities Hamfest, GRAY, TN
28-29.......................Hamfest,CHATTANOOGA, TN

NOVEMBER, 1989

4-5*...Ham Radio/Comp. Expo '89, LAWRENCEVILLE, GA
4-5*..................Hamfest, FT. LAUDERDALE, FL
5*.........................Hamfest, CONCORD, NC
11-12*...........Cen. Ala. Hamfest, MONTGOMERY, AL
18............................Hamfest, SUMTER, SC
18-19*.................Suncoast Conv '89, TAMPA, FL
18-19*................Hamfest, ST. PETERSBURG, FL
25-26*.....................Hamfest, GREENSBORO, NC

(Please note: Hamfest dates marked with an asterisk (*) are NOT confirmed. Hamfest sponsors are urged to get their correct show dates to the Repeater Journal editor as soon as possible. Unconfirmed dates are based on information from the previous year's show date. The Repeater Journal assumes no responsibility or liability for incorrect dates, whether they be from lack of information, or from typographical errors in typesetting and printing.)

We express our appreciation to the coordinated effort of ARRL Directors from the Roanoke, Southeast and Delta Division for their assistance in maintaining this listing.

SouthEastern Repeater Association, Inc.

WHERE TO BUY DIRECTORY

Advanced Computer Controls (ACC) (CA)	54
Alinco Electronics (CA)	Ins.Ft.Cover
ARRL (Area Divisions)	17
Asheville Hamfest (NC)	56
Atlanta Hamfestival (GA)	41
Business Card/Net Service Page	22
Cap 'N' Badge Man (SC)	48
Certified Communications (SC)	48
Charleston Hamfest (SC)	14
Charlotte Hamfest (NC)	8-9
CQ Magazine (NY)	39
Durham Hamfest (NC)	44
Dynamic Engravers (NC)	51
Fayetteville Hamfest (WV)	20
F & M Electronics (NC)	21,40,49
Global Communications (NC)	12
Greenville Hamfest (SC)	42
H.L. Heaster (FL)	18
ICOM America (WA)	Ins.Bk.Cover
Jim Black Balun (TN)	37
Lakeview Co. (Mobile Antennas) (SC)	56
Mirage/KLM (CA)	11
QSLs by W4MPY (SC)	38
Raleigh Hamfest (NC)	4-5
Repeater Journal Advertising Rates	47
West Antenna Service (NC)	10
Williams Radio Sales (NC)	15,43,45,52-53

These Dealers Sell Repeater Journals
Pick up extra copies at their store or at Hamfests

THE CAP 'N' BADGE MAN
Spartanburg, S.C.

OMAR ELECTRONICS
Loganville, Ga.

F & M ELECTRONICS
Greensboro, N.C.

ELECTRONICS SPECIALISTS
Wilmington, N.C.

In '88 a large crowd at ASHEVILLE HAMFEST enjoyed themselves. Why don't you join us the last weekend in July to make it even greater?

Thanks,
Hamfest Committee

Call for information evenings:
Phil KA4CAC 704/667-3212

SERA Board Meeting

Continued from Page 7

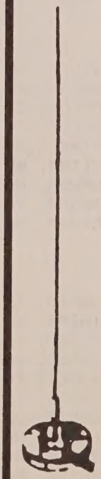
This new section is interesting in that it opens the way for existing Repeater Coordination Councils, or State Organizations to come under the SERA umbrella without losing their unique identity. This we assume would allow existing Districts in SERA to bring back their old name they once held. For instance: "North Carolina FM Repeater Association, an affiliate of SERA" could be used once again in that State if Full Members so chose.

* Committee appointments were updated to reflect the change in trend of the organization. A new archives Committee was established. This committee is charged with permanent storage of such documents or articles of SERA property as may from time to time be determined by the Board as advisable.

Although an executive committee had been established last year, it was just now brought under its own heading in the Bylaws. The executive committee will handle duties as assigned by action of the Board. It will also take care of unforeseen matters of the Association arising between meetings of the Board, and address the issues that need a decision before the next Board meeting.

* Another provision was added to the new SERA Bylaws, involving confirmation of appointments. Any appointments made by the President or a District Director will require confirmation by the full Board.

* The first 20 sections of the new Bylaws are the Articles of Incorporation for SERA, and are filed with the Secretary of State in North Carolina. (SERA is Incorporated in North Carolina and is classified a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code of 1954.)



WD4BUM'S
1/4 WAVE MAG. MOUNT ANTENNAS
ONLY $13.00

Complete with strong chrome plated magnet & 15" RG58 coax a PL259 is installed.

ORDER- M300 for 2 Meters
- M301 for 220 Mhz
- M302 for 440 Mhz

SEND CHECK, M.O., VISA or M.C.

To: MOBILE ANTENNAS and ACCESSORIES
LAKEVIEW CO.
P.O. Box 5706 • Anderson, SC 29623
1-803-226-6990
Catalog available - Dealers welcome

ICOM
Handhelds

HOW DO YOU PACK 7 WATTS, 20 MEMORIES AND SCANNING INTO A HANDHELD?

IC-2GAT: 7 Watts Rx 138-174MHz; Tx 140-150MHz
IC-4GAT: 6 Watts 440-450MHz
IC-32AT: 5 Watts Rx 138-174MHz/440-450MHz; Tx 140-150MHz/440-450MHz

A New Generation of Powerful, Versatile Handhelds.

Select a new "G Series" or dual band ICOM transceiver and enjoy full base station luxury in a portable unit designed especially for you!

- **Maximum Frequency Coverage.** The IC-2GAT receives 138-174MHz, including NOAA, and transmits 140-150MHz to include CAP and MARS frequencies. The IC-4GAT operates 440-450MHz, and the IC-32AT receives 138-174MHz and operates 140-150MHz/440-450MHz.
- **Most Powerful Handheld!** The IC-2GAT delivers seven watts! The IC-4GAT is six watts and the IC-32AT is five watts! One watt level selectable for local QSO's.
- **20 Memories.** Store any frequency, Tx offset and subaudible tone in any memory. Total flexibility!
- **Programmable Scanning** of band and memories plus easy lockout and instant memory recall.
- **Additional Features.** Battery saver, call channel, all subaudible tones, multi-function LCD readout and DTMF pad.
- **Compatible Accessories.** All ICOM IC-2AT/02AT series battery packs, headsets and speaker mics are interchangeable.
- **Optional UT-40 Beeper** silently monitors a busy channel for your calls. When the pre-programmed subaudible tone is received, the unit beeps and the LCD flashes.

IC-32AT
2 Meters and 440MHz

IC-2GAT
2 Meters

IC-4GAT
440MHz

ICOM
First in Communications

ICOM America, Inc., 2380-116th Ave. N.E., Bellevue, WA 98004
Customer Service Hotline (206) 454-7619
3150 Premier Drive, Suite 126, Irving, TX 75063
1777 Phoenix Parkway, Suite 201, Atlanta, GA 30349
ICOM CANADA, A Division of ICOM America, Inc., 3071 - #5 Road, Unit 9, Richmond, B.C. V6X 2T4 Canada

All stated specifications are subject to change without notice or obligation. All ICOM radios significantly exceed FCC regulations limiting spurious emissions. HH488.

SouthEastern Repeater Association, Inc.

POST OFFICE BOX 24292
WINSTON-SALEM, N.C. 27114-4292

Bulk Rate
U. S. Postage
PAID
Permit No. 383
Greensboro, N.C.

THIRD CLASS MAIL

W.VA.
KY.
VA.
TENN.
N.C.
GA.
S.C.

STATE DIRECTORS, VICE DIRECTORS AND ASSISTANTS FOR SERA - SOUTHEASTERN REPEATER ASSOCIATION

Contact Your Local Director or His Assistants for help in Frequency or Repeater Coordination, Changes in Repeaters, or any other Assistance you need.

NORTH CAROLINA

DIRECTOR
Ed. B. Stephenson, AB4S
700 Madison Avenue
Cary, N.C. 27511
(919) 467-6832

VICE-DIRECTOR
Danny Hampton, K4ITL
P.O. Box 12734
Raleigh, N.C. 27605
(919) 832-8733

EASTERN KENTUCKY

Terry Estes, WB4ASZ
16 Valley Drive
Winchester, Ky. 40391
(606) 744-2590

WESTERN COORDINATOR
Larry Malone
R.R. #1
Hodgenville, Ky. 42748

WEST VIRGINIA

DIRECTOR
Karl Morris, WB8GDY
1009 Sand Hill Drive
St. Albans, W.V. 25177
(304) 727-8543

VICE DIRECTOR
R.T. (Dick) Fowler, N8FMD
Route #3, Box 52
Clarksburg, W.V. 26301
(304) 623-9479

ASSISTANT DIRECTOR
Ralph Langley, II KA8SVR
306 Caroline Drive
Hurricane, W.V. 25562
(304) 562-2606

VIRGINIA

DIRECTOR
Eastern Virginia
Wally Burkett, WA4KXV
242 Raintree Road
Virginia Beach, Va. 23452
(804) 486-1555

VICE-DIRECTOR
Western Virginia
Don Williams, WA4K
412 Ridgeway Drive
Bluefield, Va. 24605
(703) 326-2411
(703) 326-3338

TENNESSEE

DIRECTOR
Jean Giesler, W4TYU
4544 Lyons View Road
Knoxville, Tn. 37919
(615) 525-5781

VICE-DIRECTOR
James H. Larson, WB4KQQ
1386 Randall Drive
Memphis, Tn. 38116
(901) 396-5010

MIDDLE TN. ASST.
Lance Lewis, KI4OG
2317 Deerwood Road
Nashville, Tn. 37214
(615) 885-2597

GEORGIA

DIRECTOR
Dave Shiplett, WL7ACY
107 Mossy Lake Road
Perry, Ga. 31069
(912) 987-3000

VICE-DIRECTOR
Jim Abercrombie, Jr. N4JA
P.O. Box 5943
Augusta, Ga. 30906
(404)790-7802

ASSISTANT DIRECTOR
Larry Smith, N4FD
P.O. Box 70397
Albany, Ga. 31707
(912) 888-9203

ASSISTANT DIRECTOR
Jack Berry, W4PME
750 Star Light Dr. NE
Atlanta, Ga. 30342
(404) 255-9684

ASSISTANT DIRECTOR
Stu Sims, N4MXC
112 Carol Drive
Cochran, Ga. 31014
(912) 934-9236

SOUTH CAROLINA

DIRECTOR
Len Bjerken, WB4USY
305 Tondaleia Drive
Sumter, S.C. 29150
(803) 481-2436

VICE-DIRECTOR
Al Harney, N4EOY
224 Morningwood Dr.
Lexington, S.C. 29072
(803) 359-5305